

Fig. 1

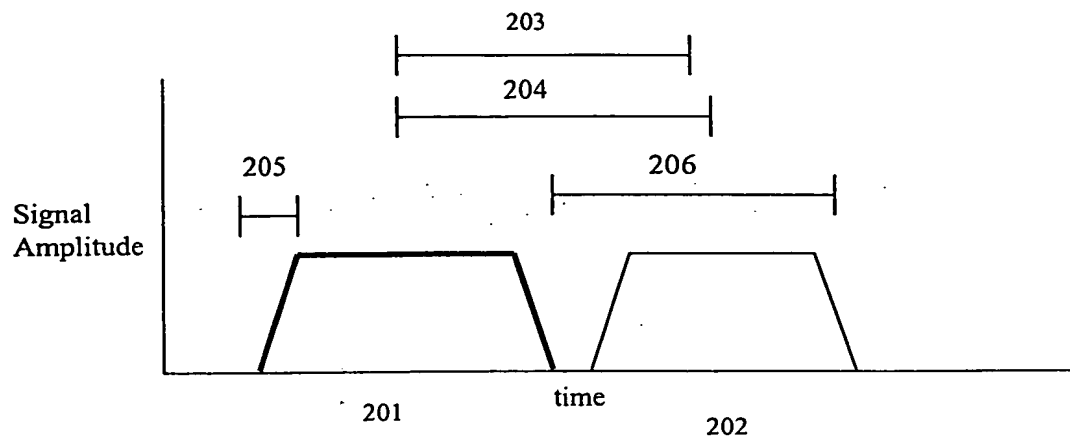


Fig. 2A

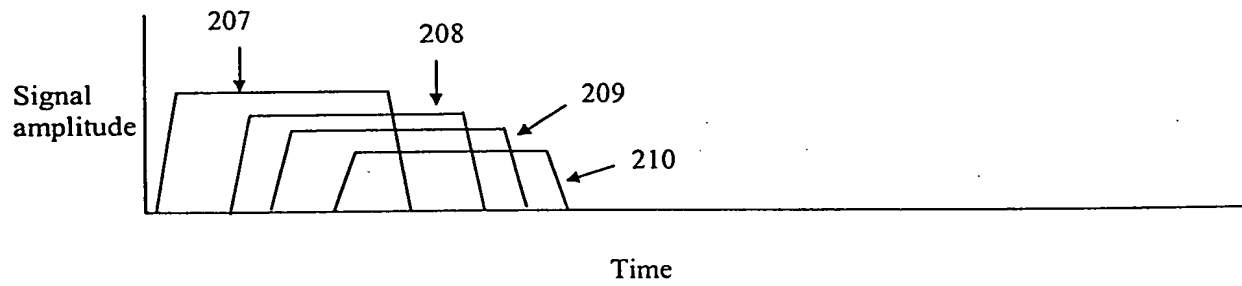


Fig. 2B

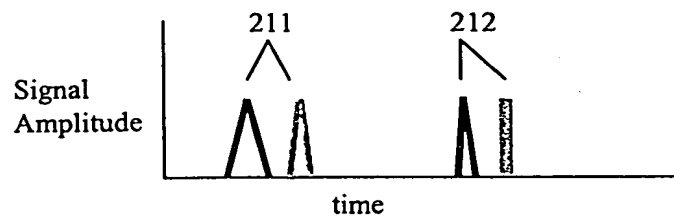


Fig. 2C

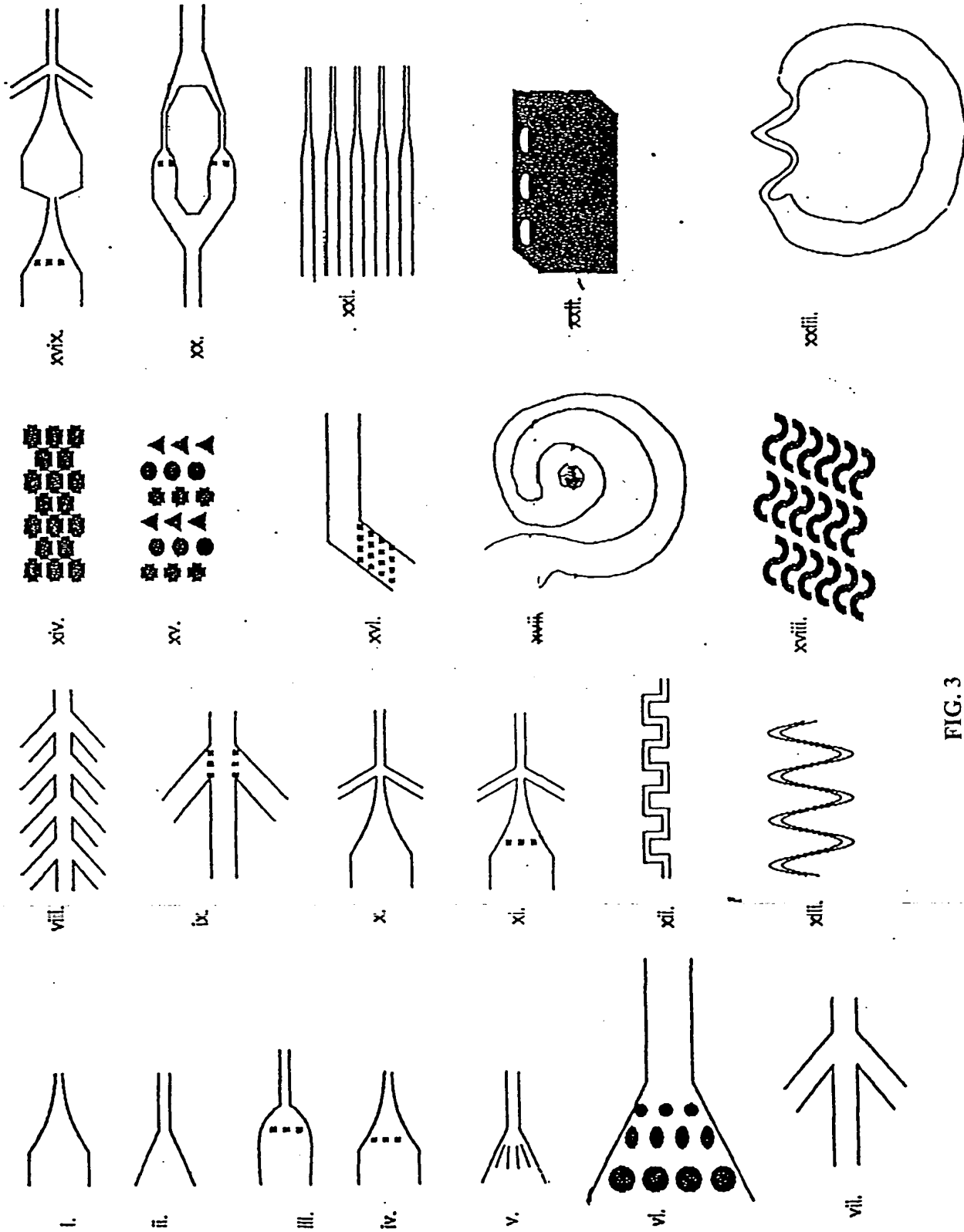


FIG. 3

10066-021

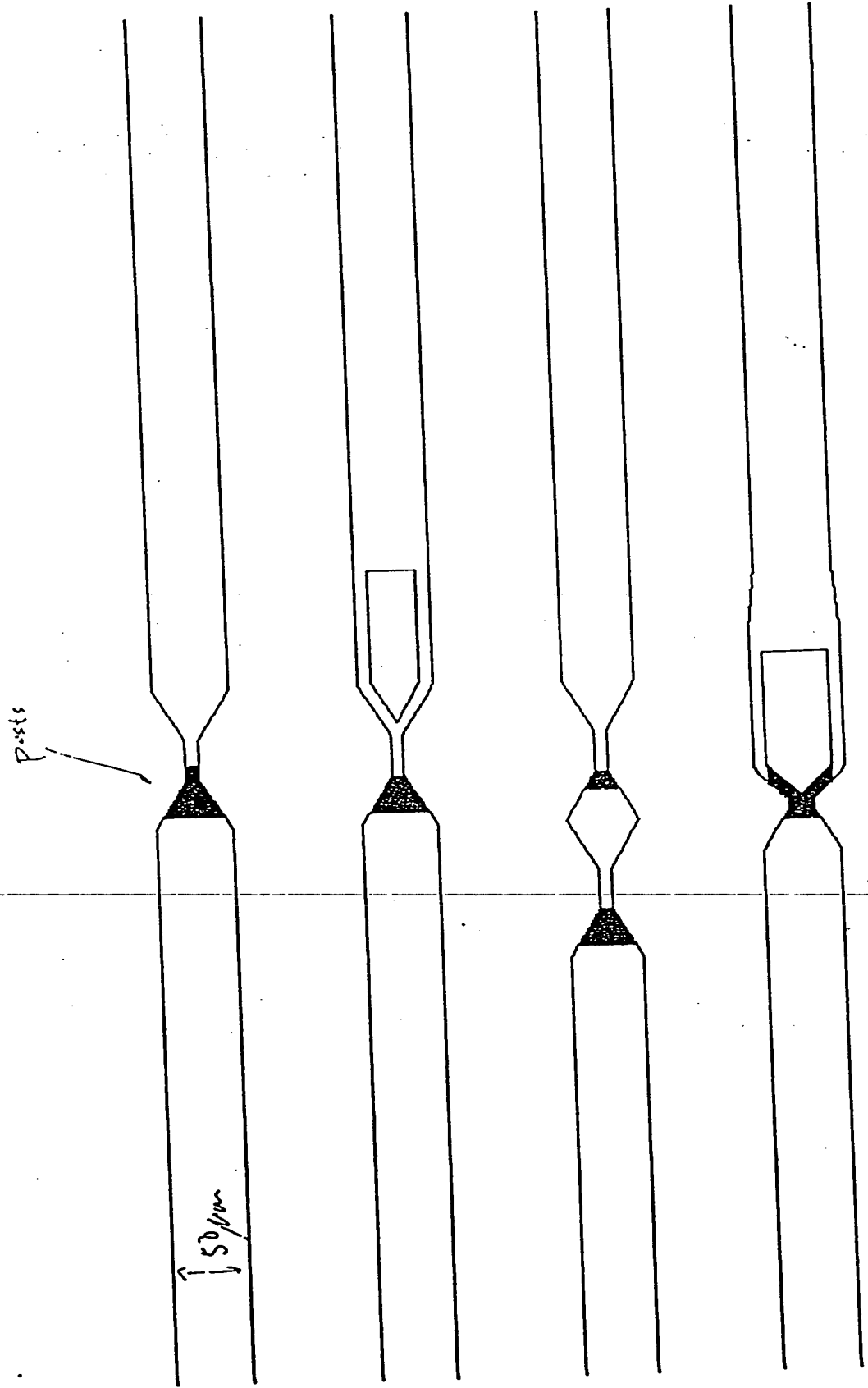


FIG. 4(a)

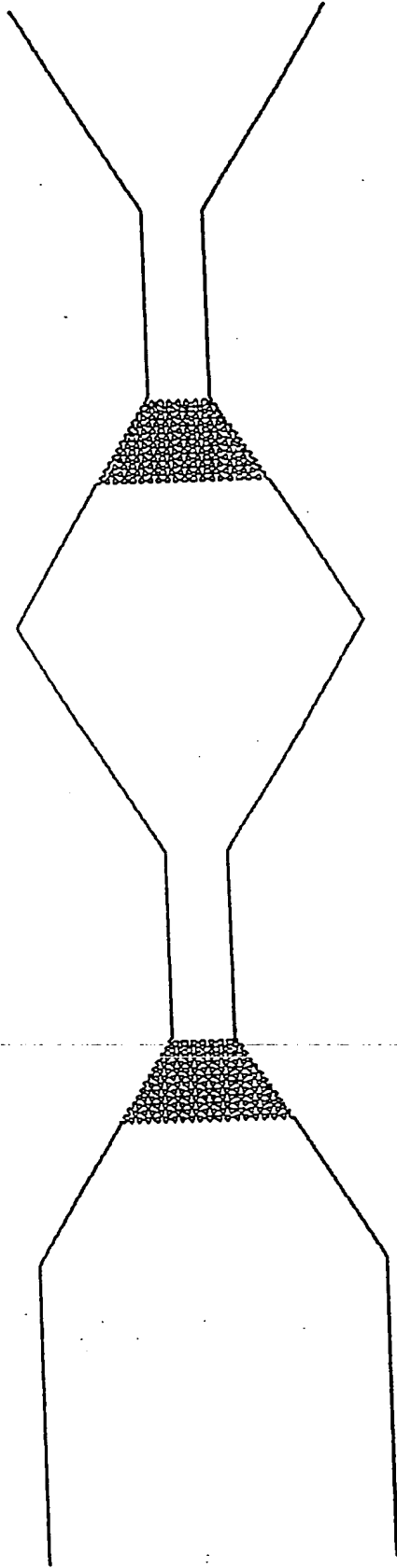


FIG. 4(b)

10066-021

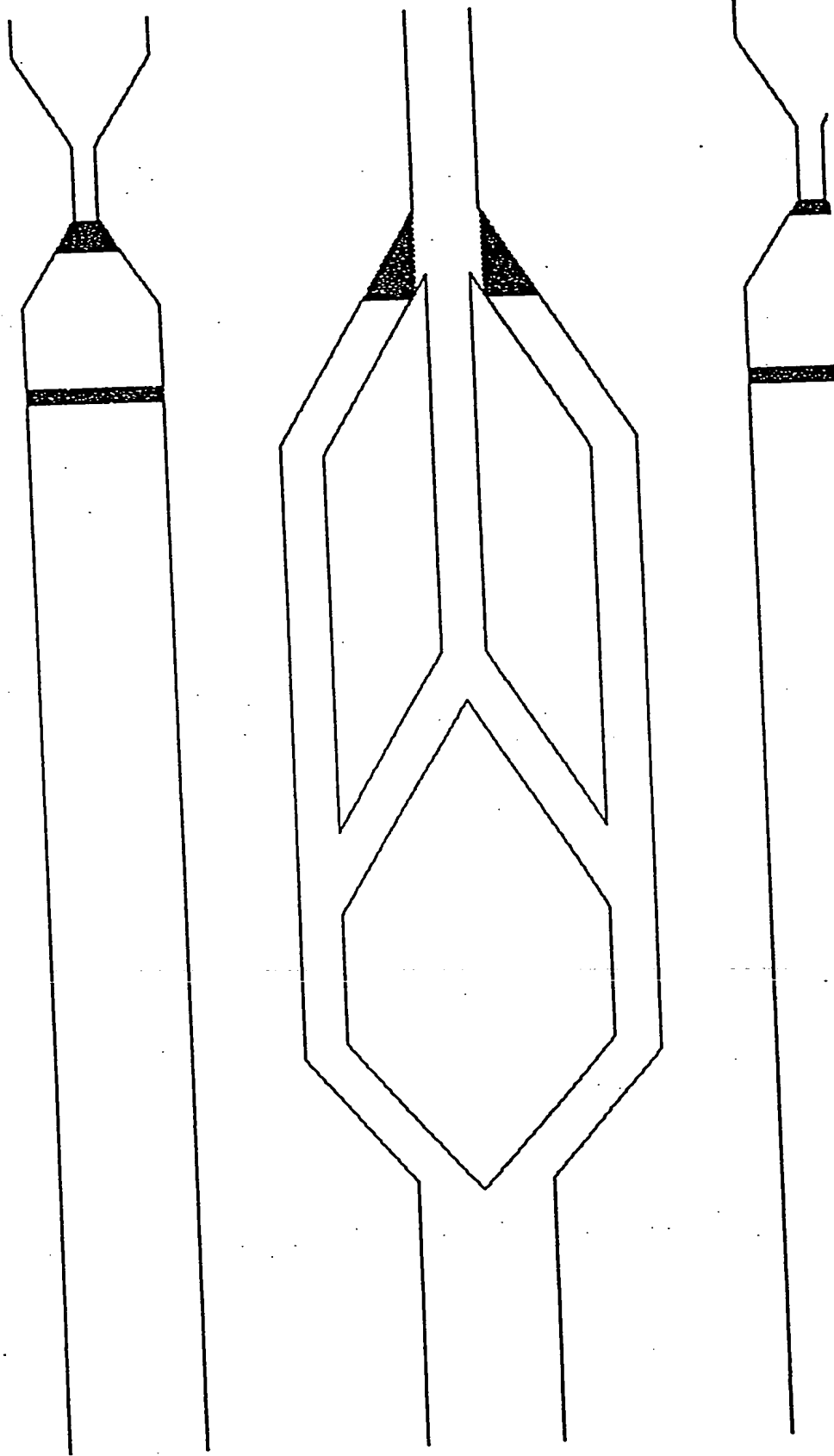


FIG. 4(c)

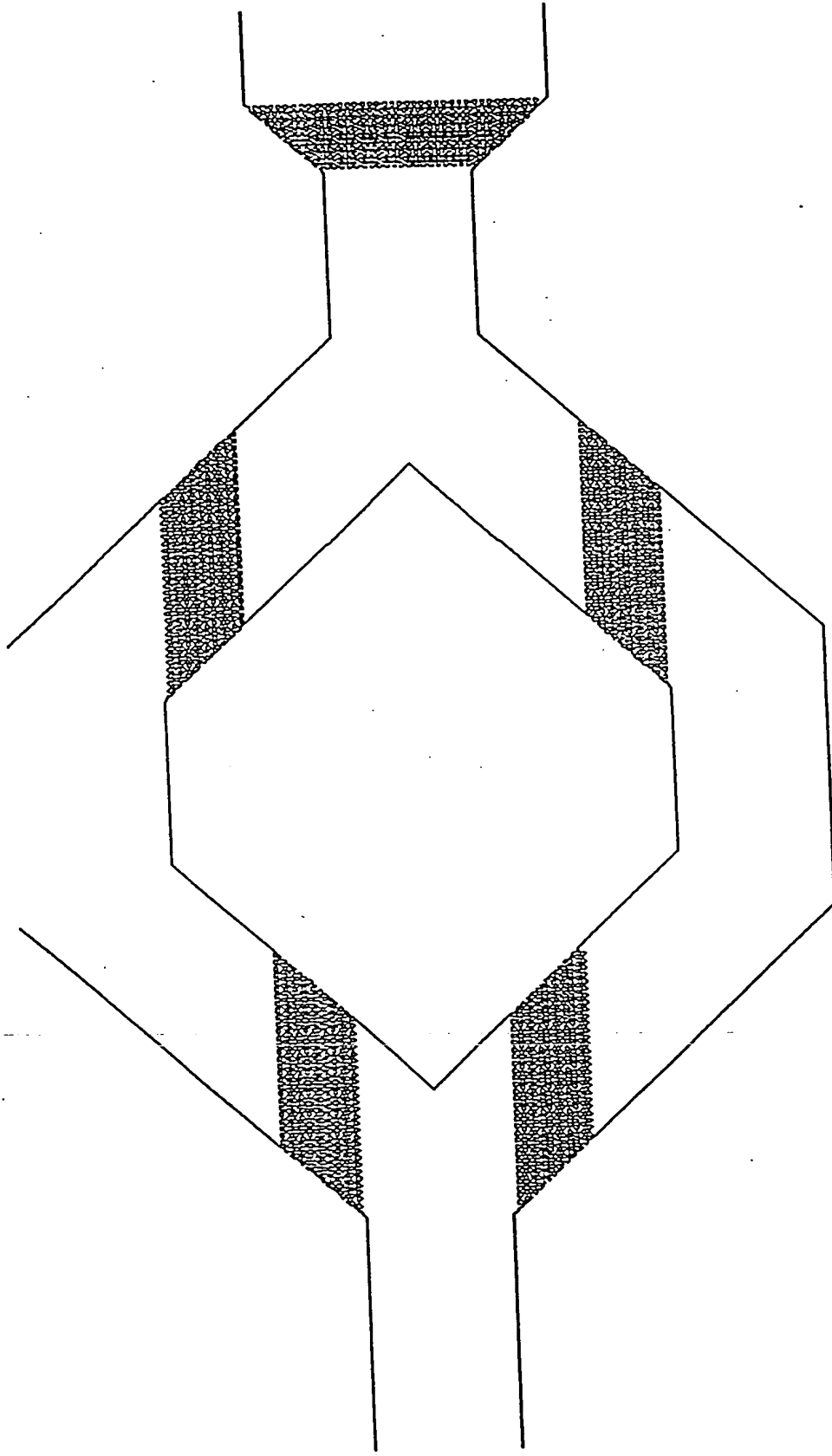


FIG. 4(d)

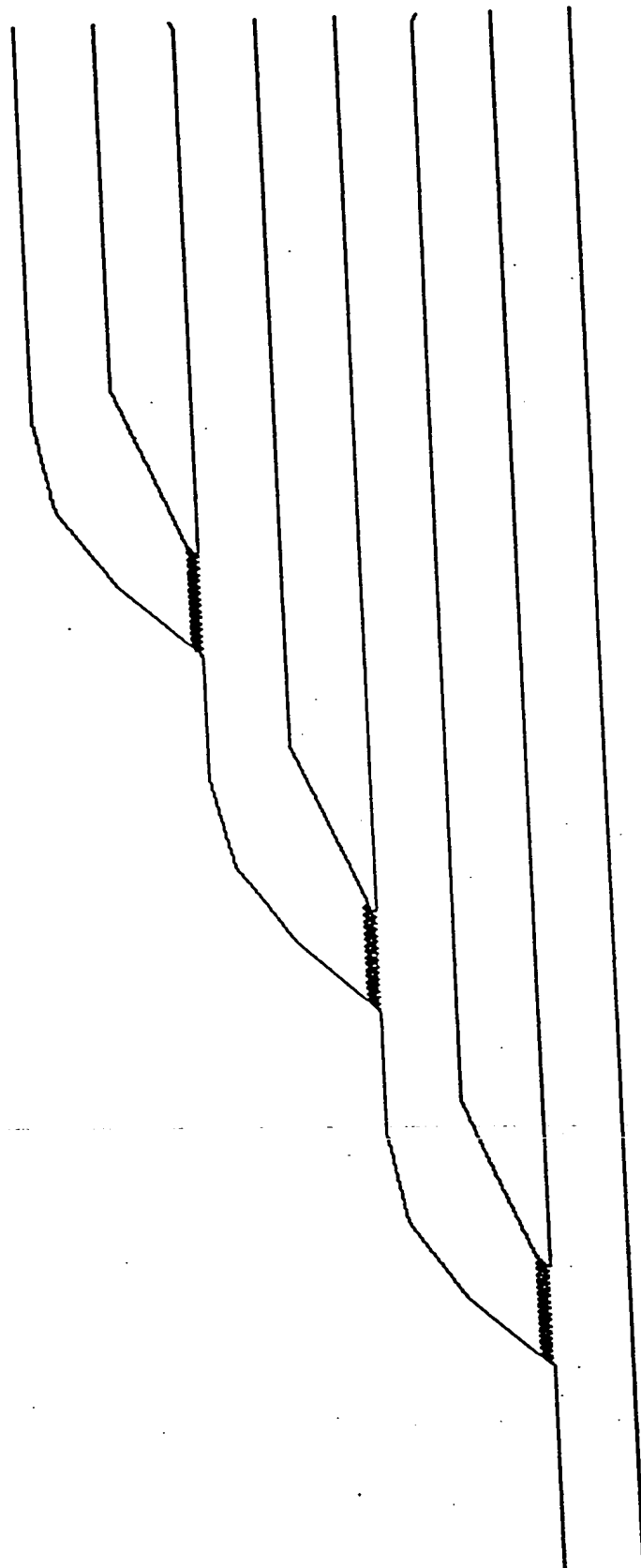


FIG. 4(e)

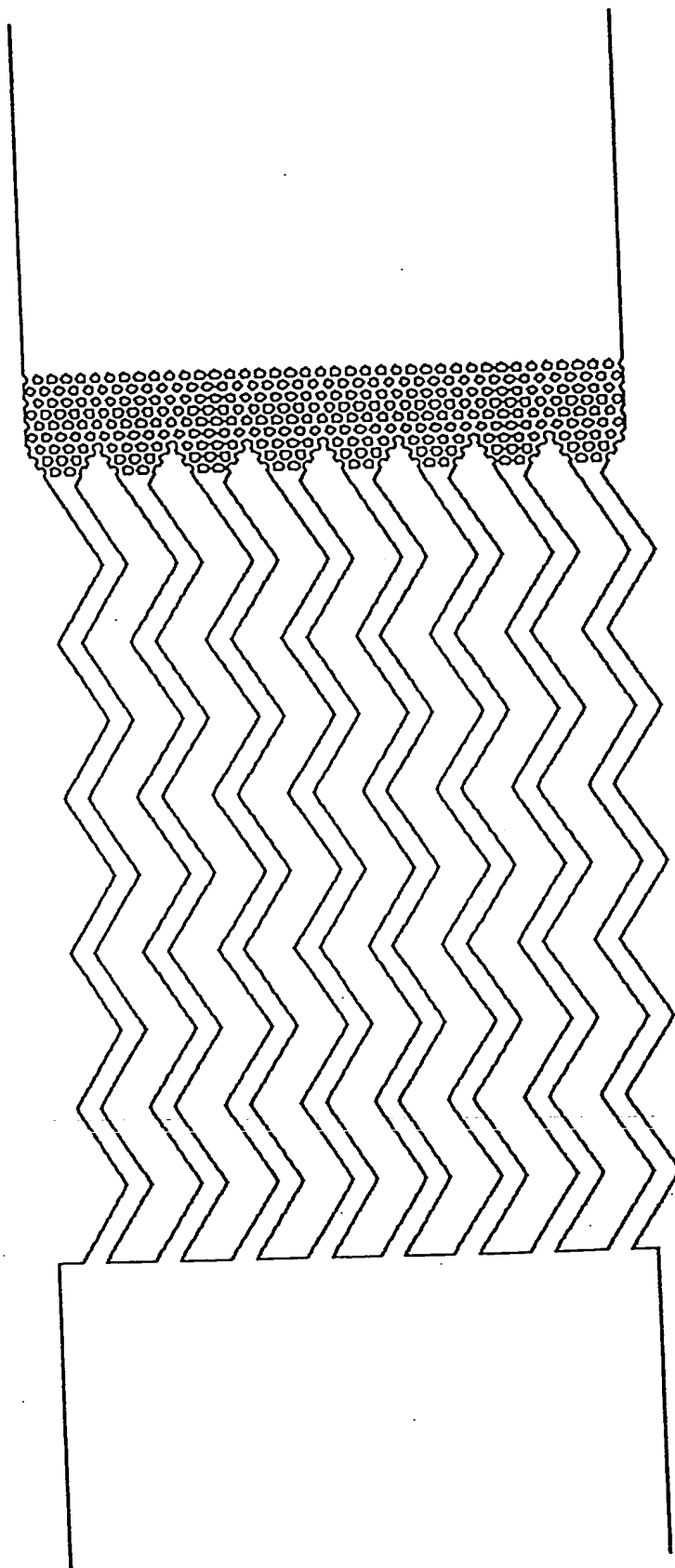


FIG. 4(f)

10066-021

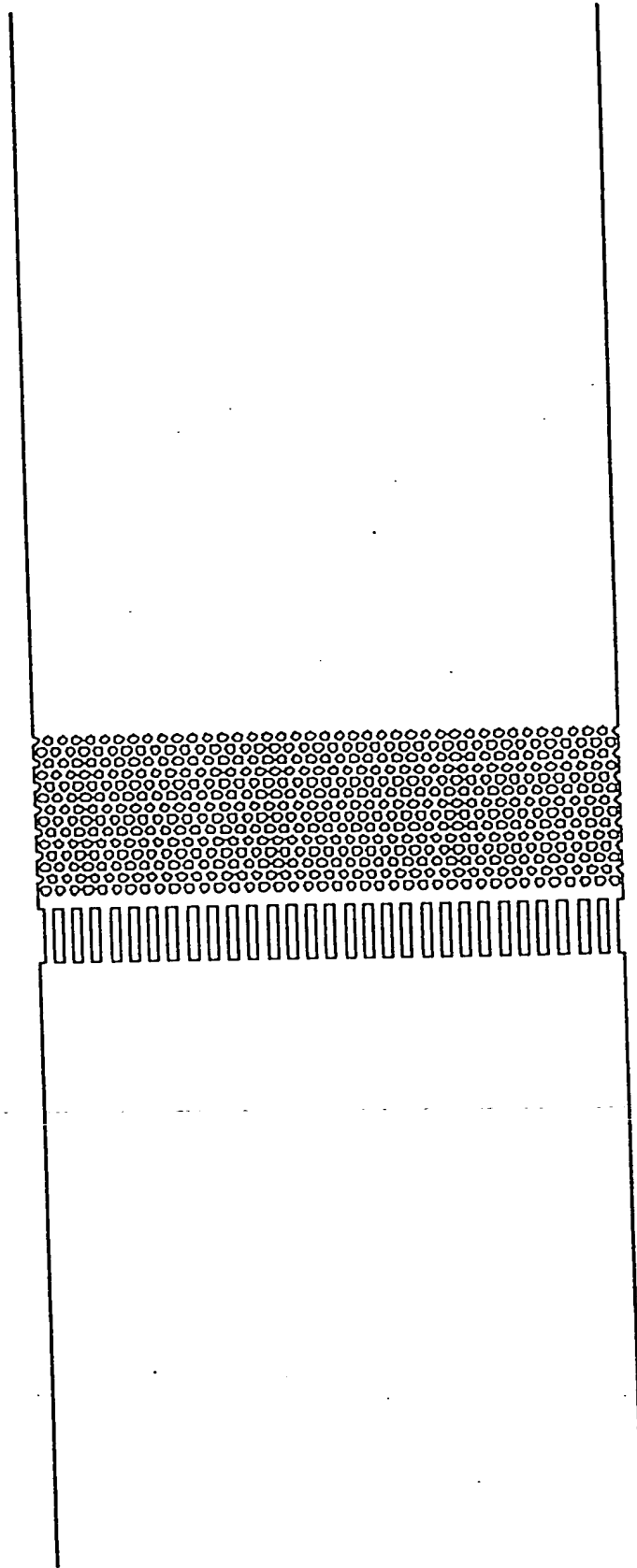


FIG. 4(g)

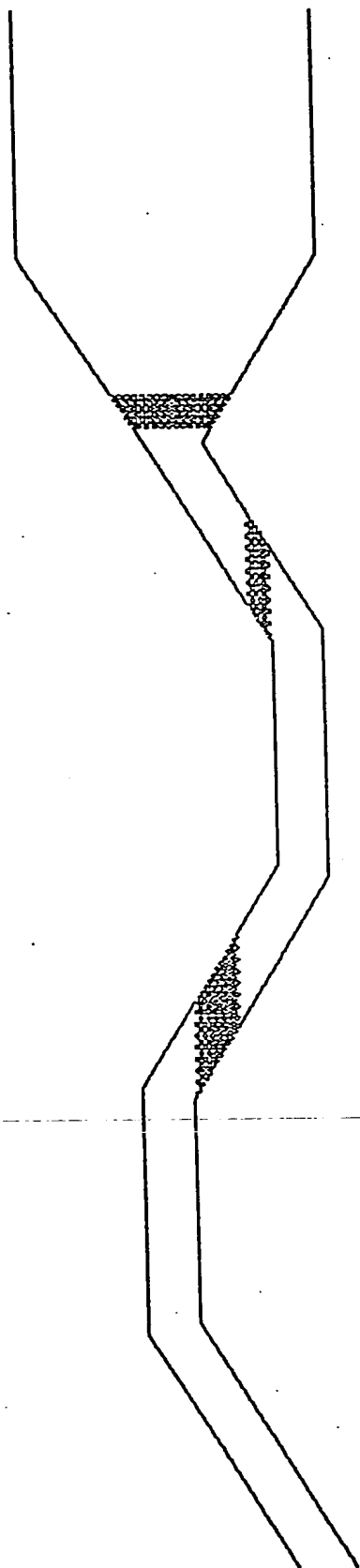


FIG. 4(h)

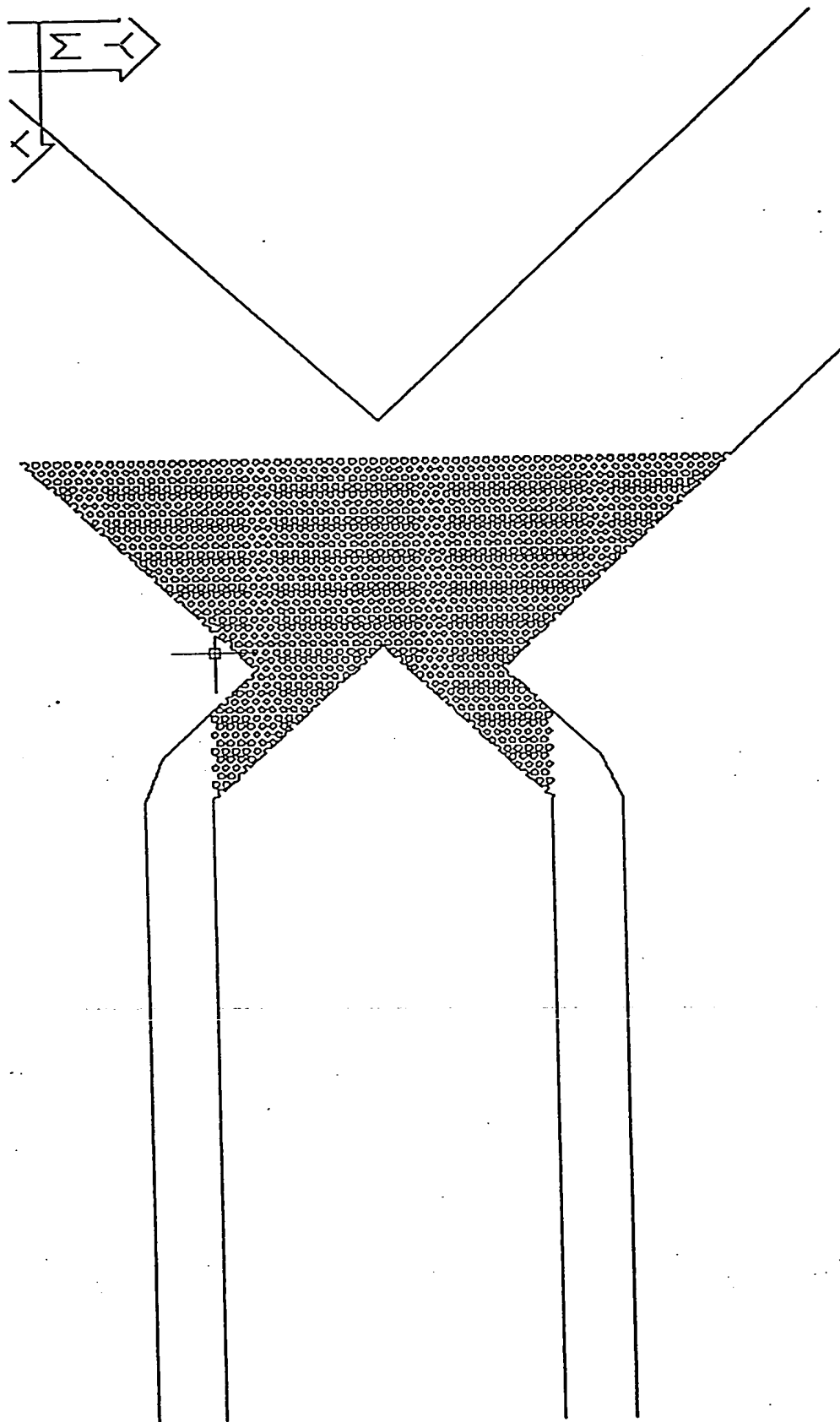


FIG. 4(i)

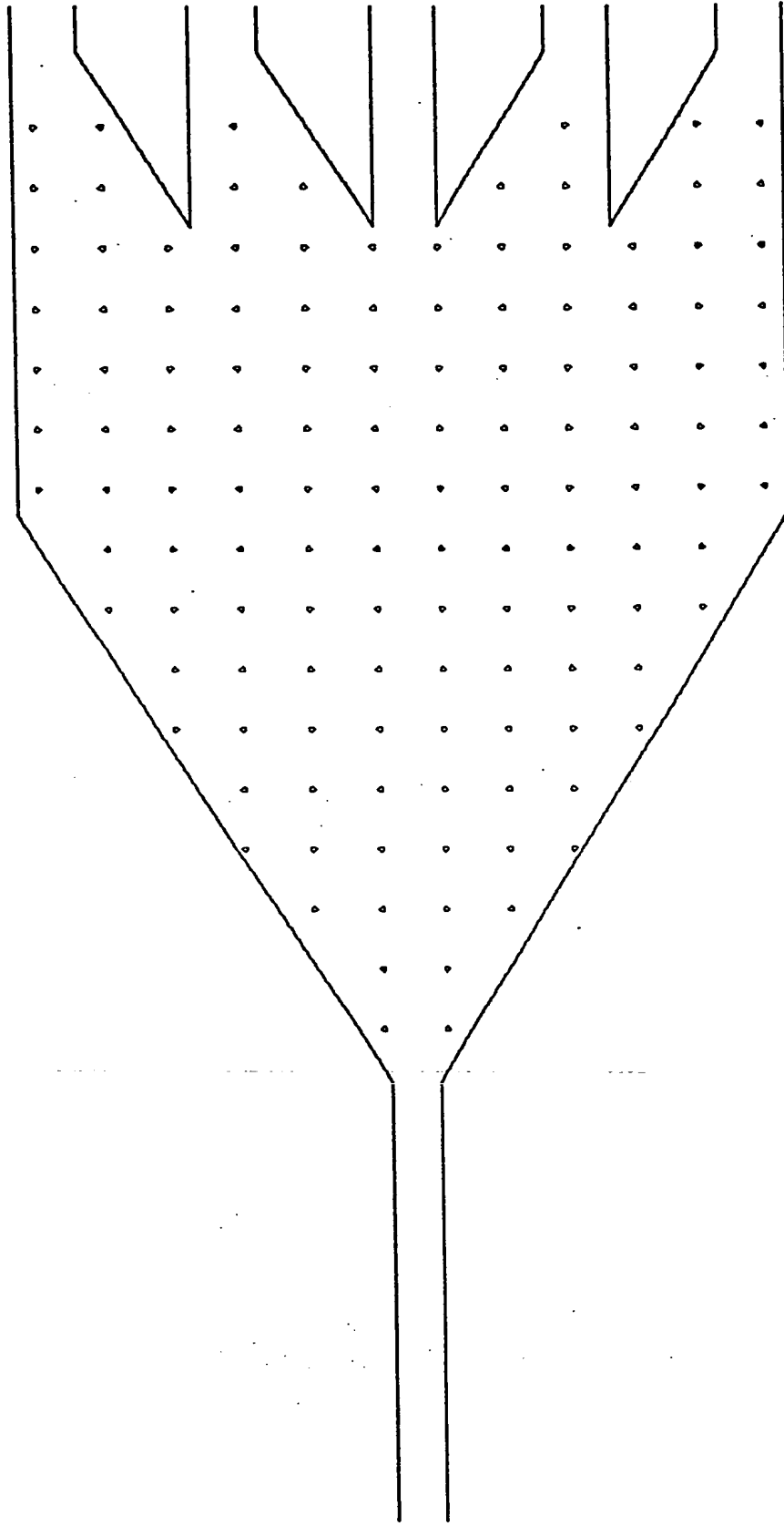


FIG. 4J)

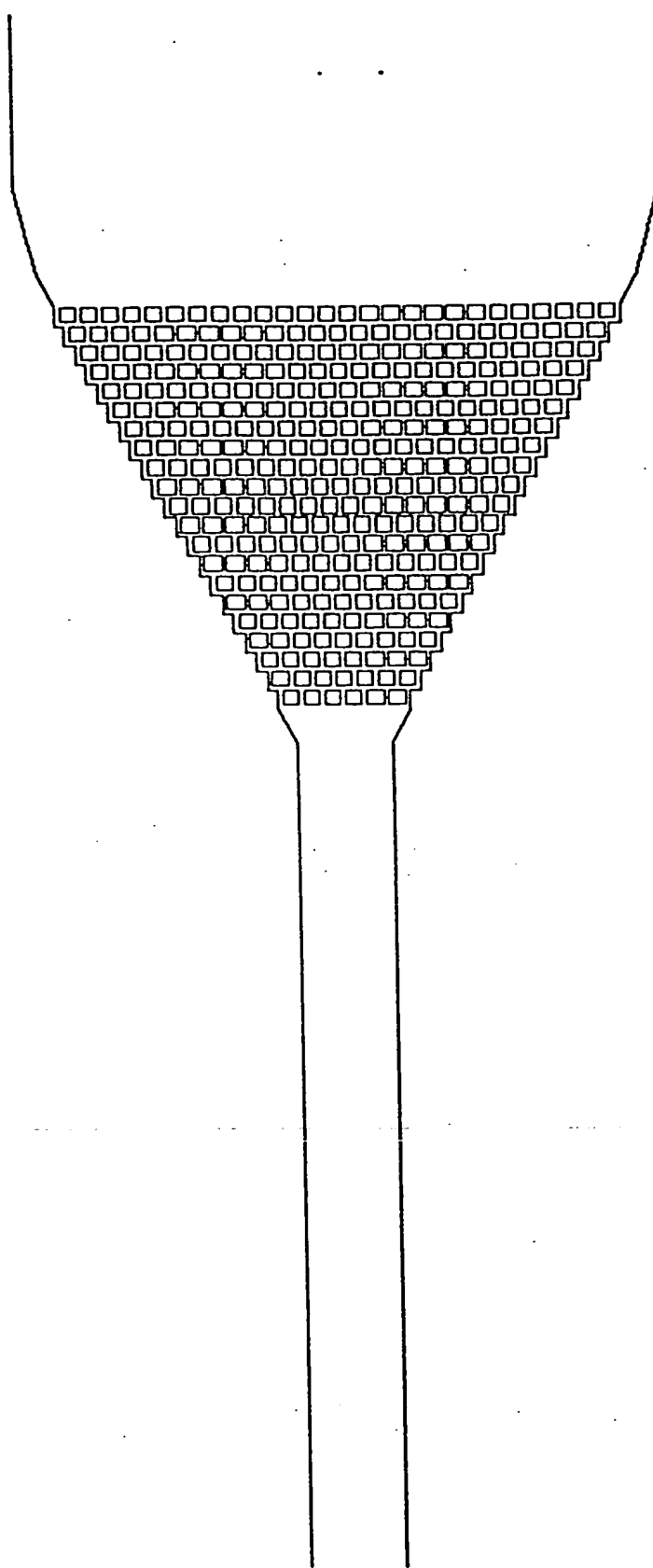


FIG. 4(k)

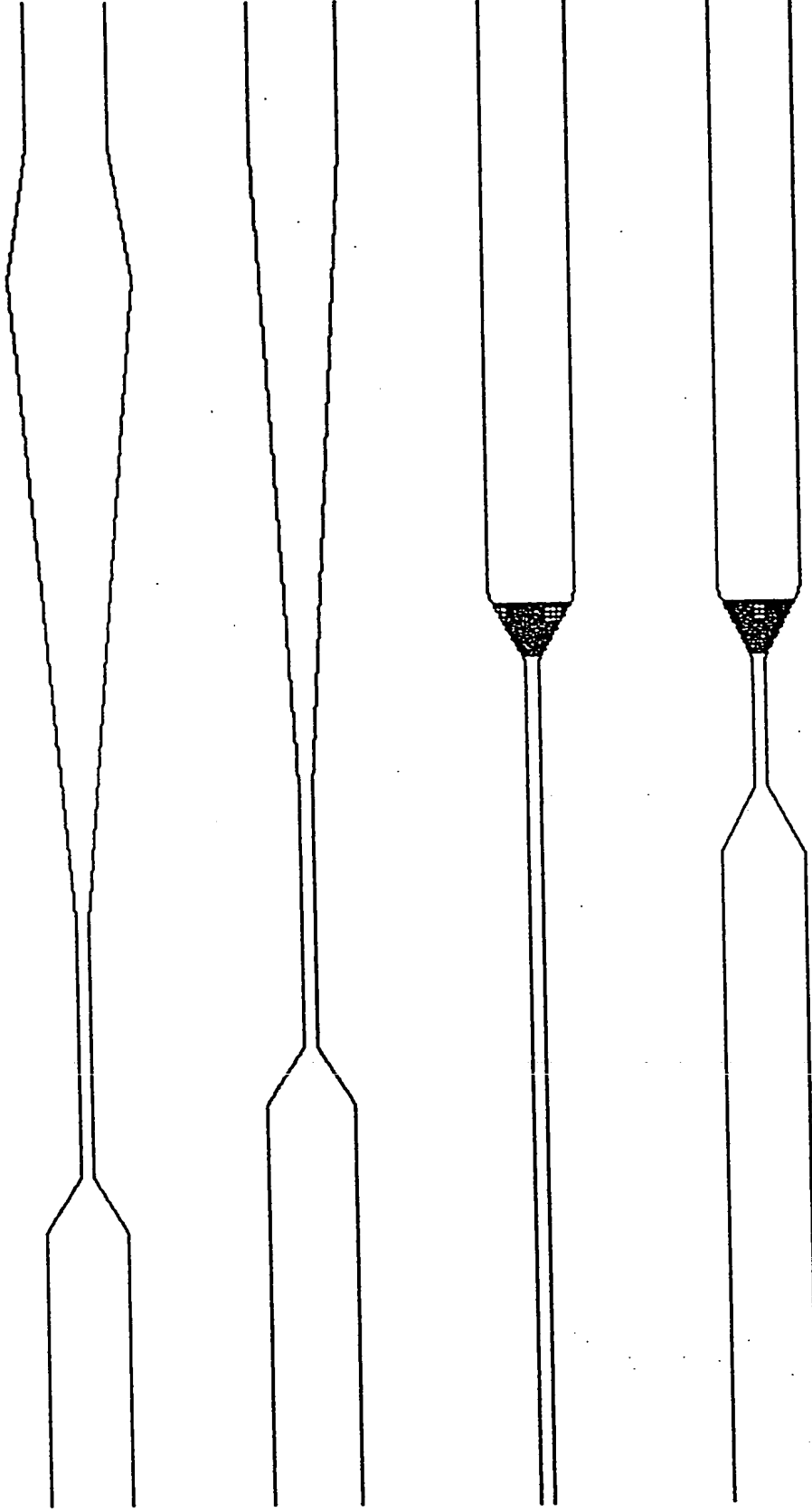


FIG. 4(I)

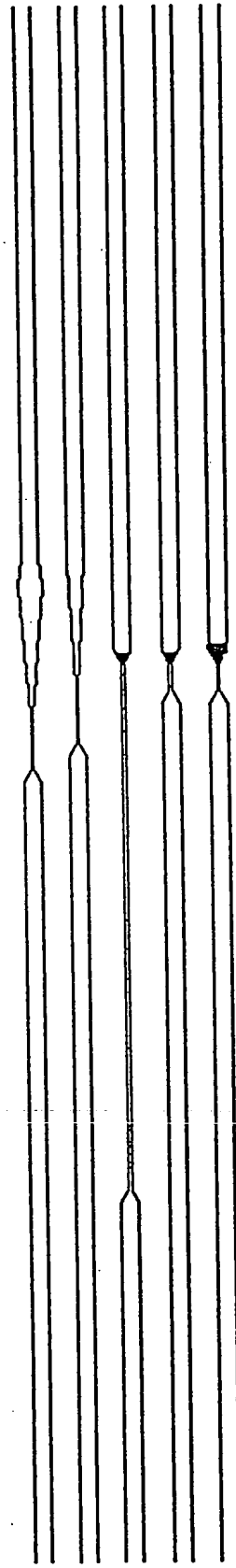
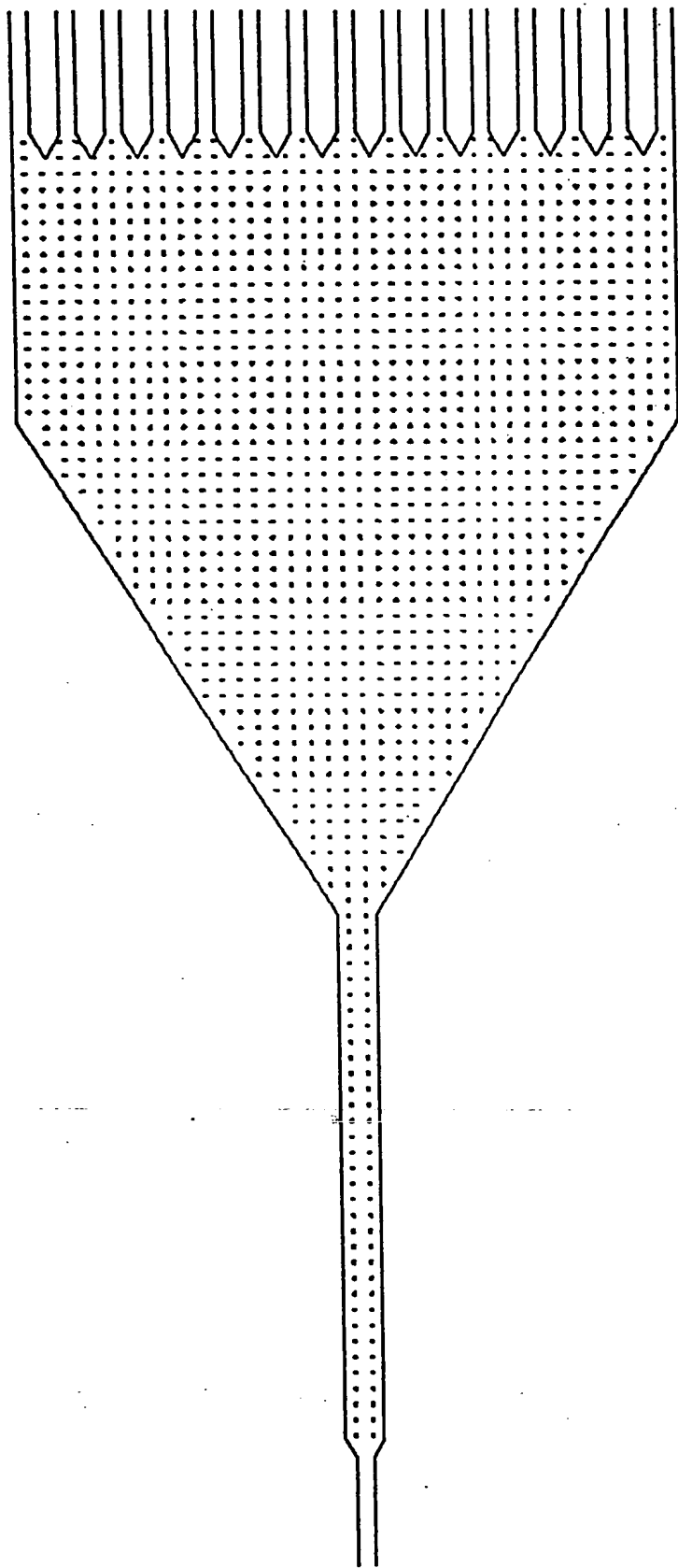


FIG. 4(m)

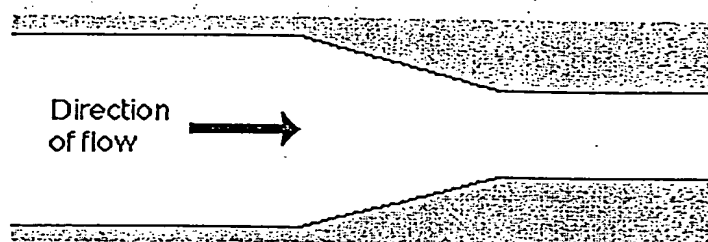


FIG. 5

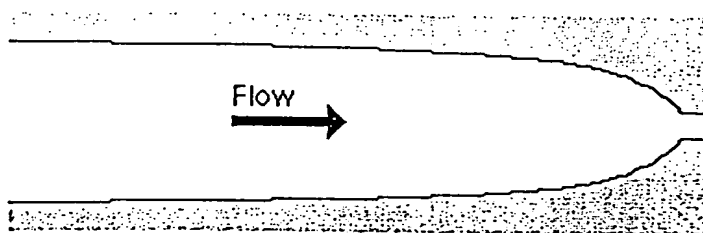


FIG. 6

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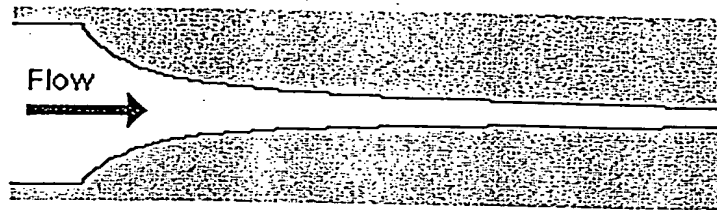


FIG. 7

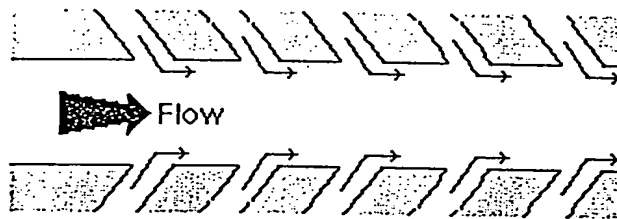


FIG. 8

FIG. 8

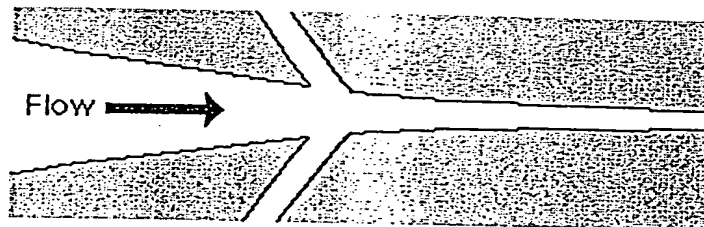


FIG. 9

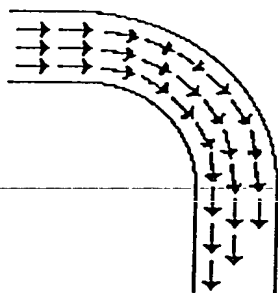


FIG. 10(a)

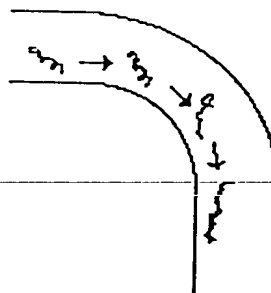


FIG. 10(b)

FIG. 10(a) and FIG. 10(b)

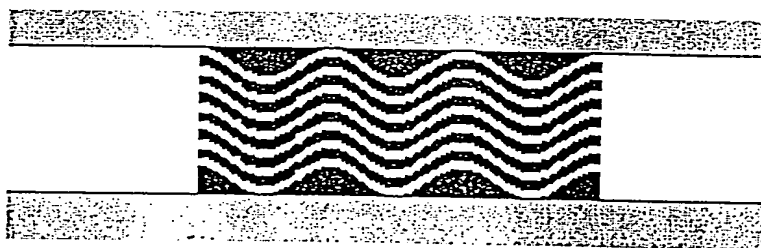


FIG. 11

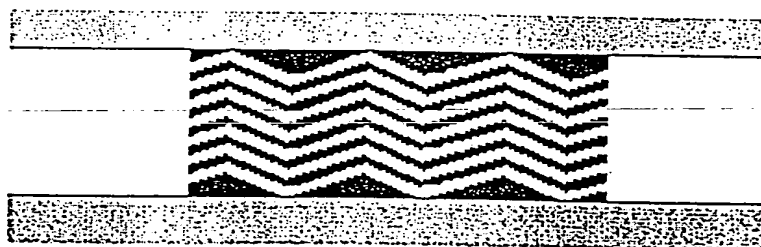


FIG. 12

FIG. 11

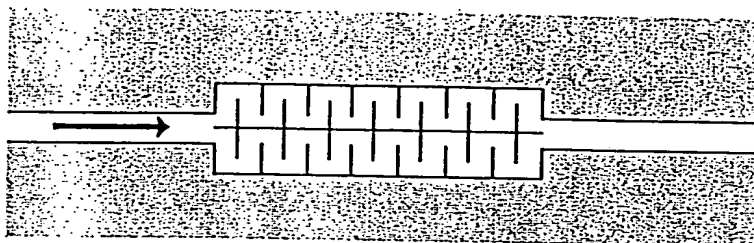


FIG. 13

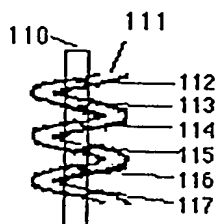


FIG. 14

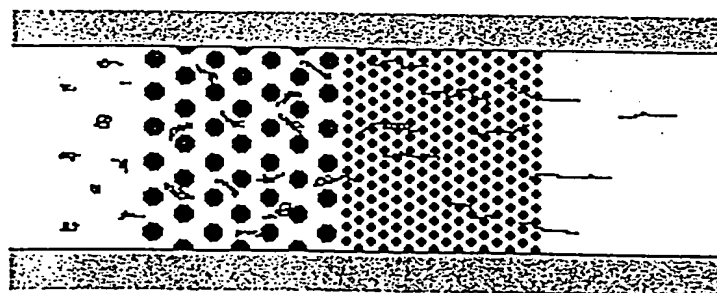
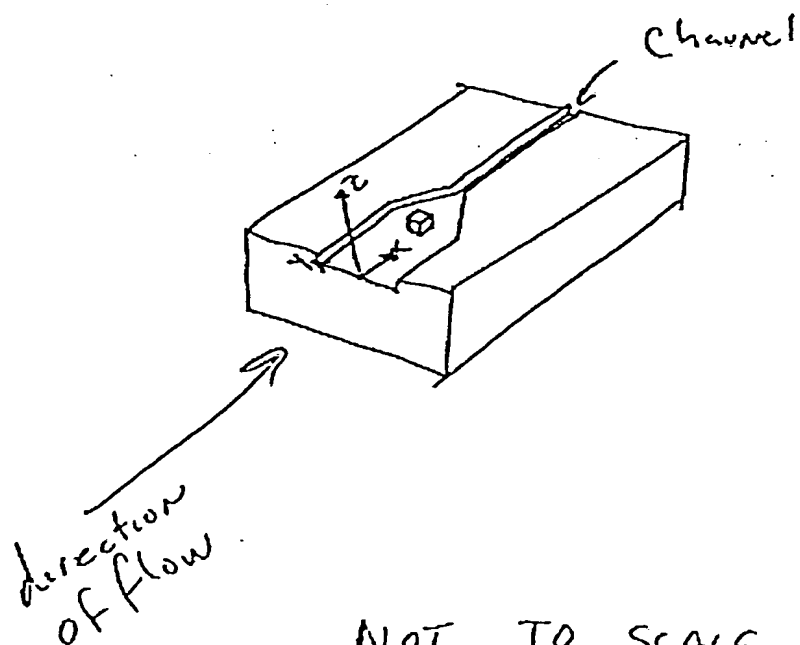


FIG. 15

09783472.01401
FOHTEO" 224E8260



NOT TO SCALE
SHOWN WITHOUT COVER SLIP

FIG. 16

10066-021 "Sheet 22 of 45"

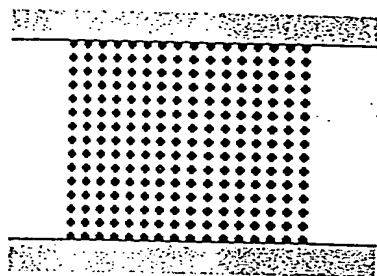


FIG. 17(a)

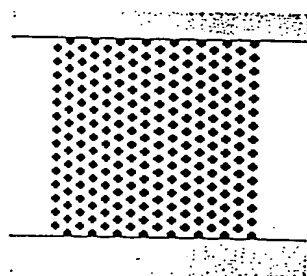


FIG. 17(b)

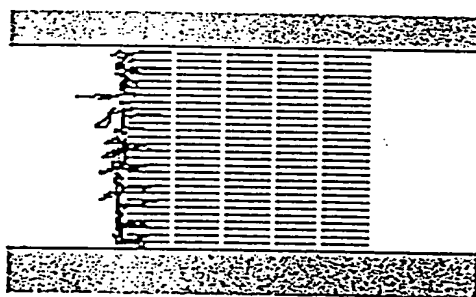


FIG. 18

09783472-01401
T04T20" 24E8/6D

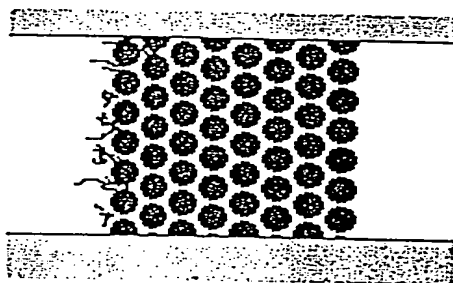


FIG. 19

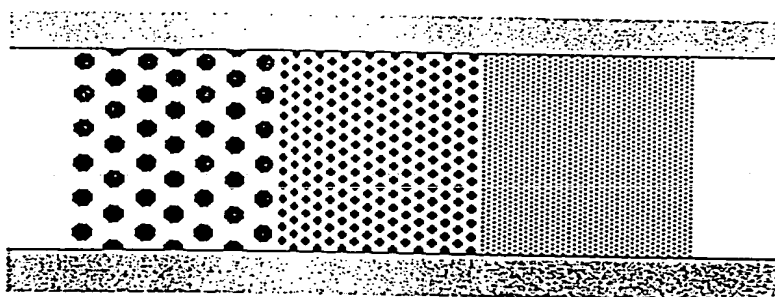


FIG. 20

FIG. 20

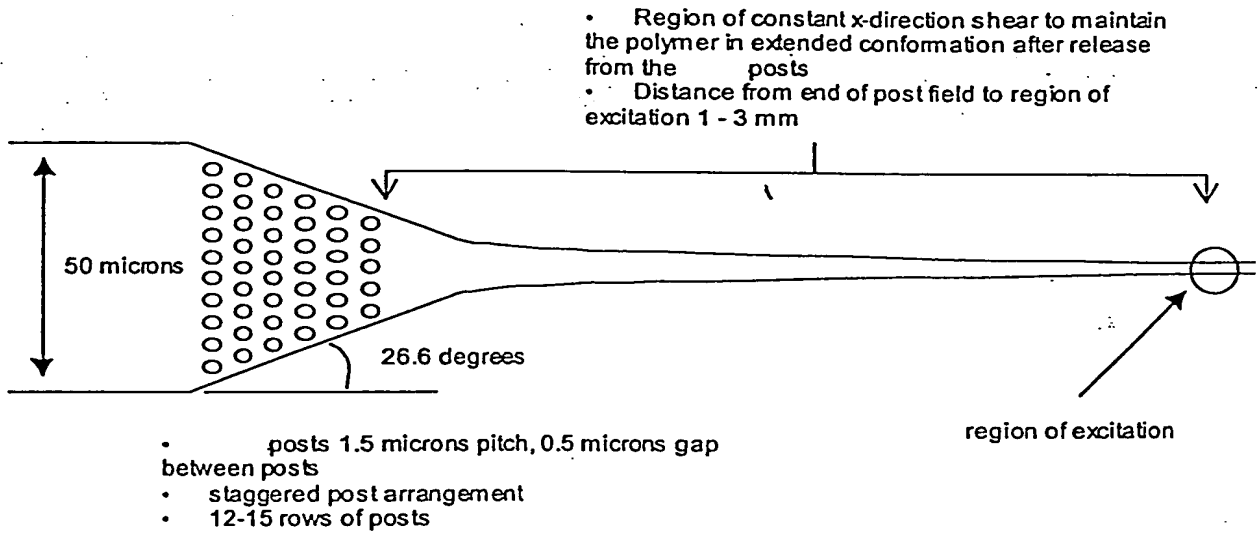
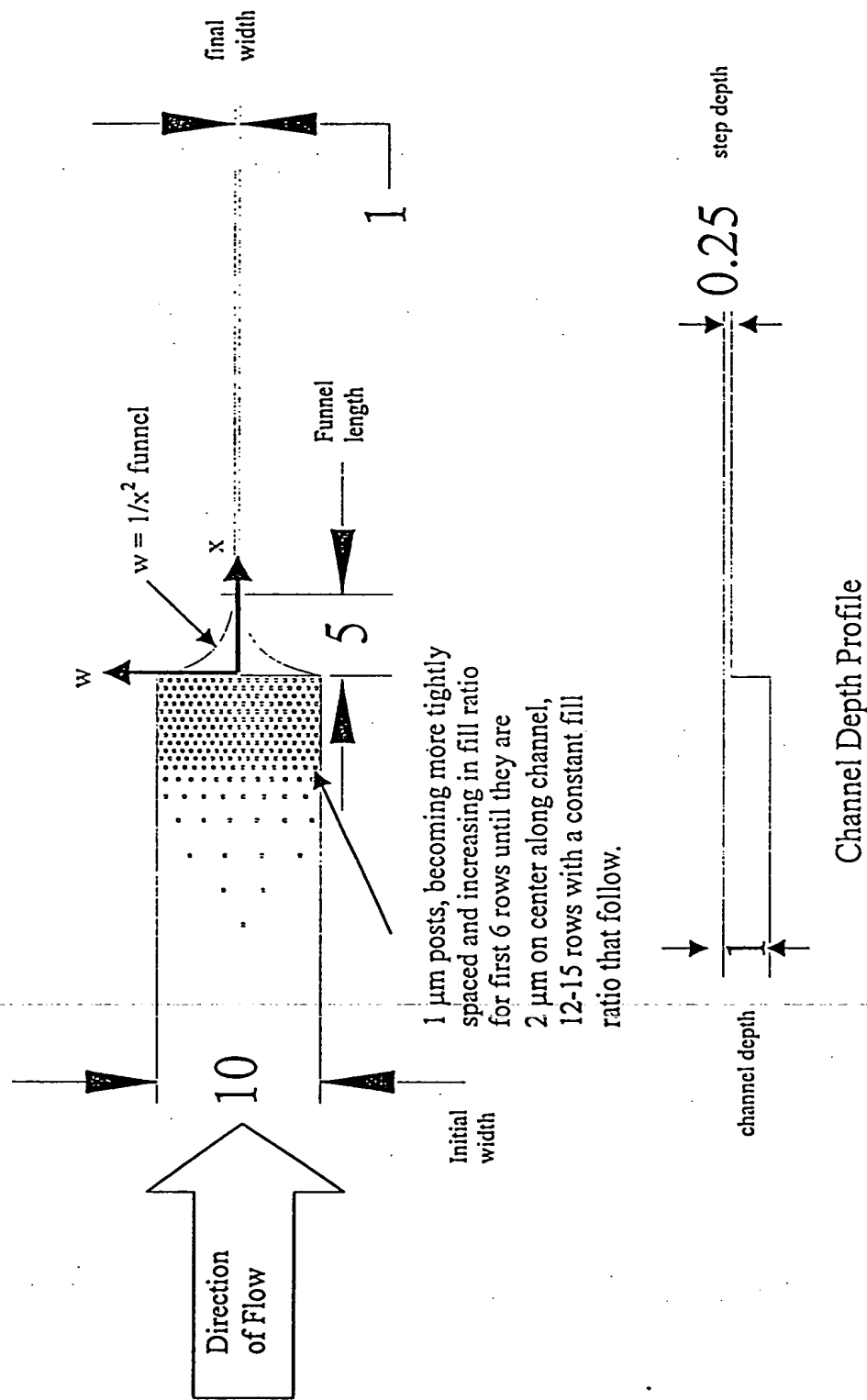


FIG. 21

10066-021

- Initial width / final width > 10
- Funnel length < 0.5 * initial width
- Funnel faster than 1/x
- Step depth / channel depth <= 1/4



1 μ m posts, becoming more tightly spaced and increasing in fill ratio for first 6 rows until they are 2 μ m on center along channel, 12-15 rows with a constant fill ratio that follow.

Not To Scale, All Dimensions In

FIG. 22

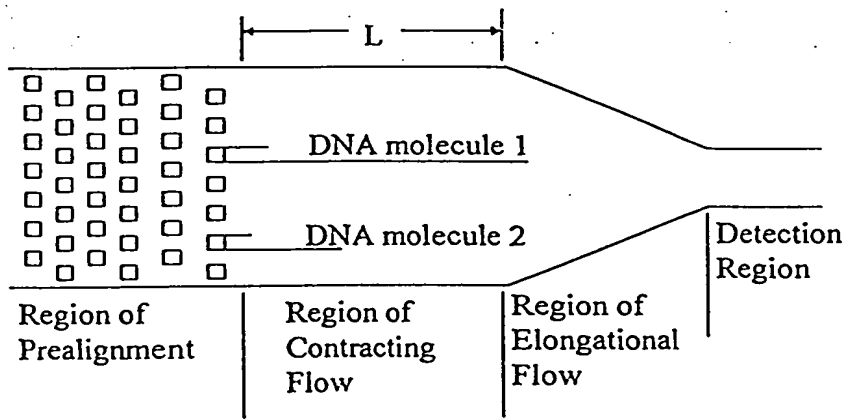


FIG. 23

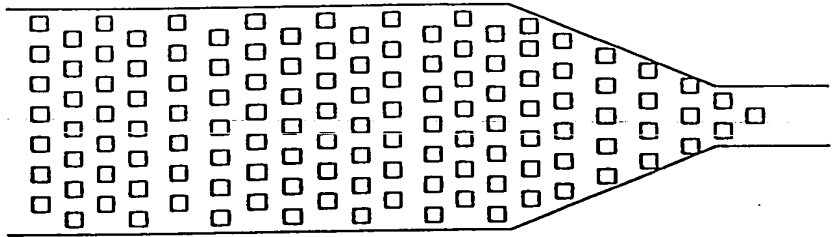


FIG. 24

09783472-024401

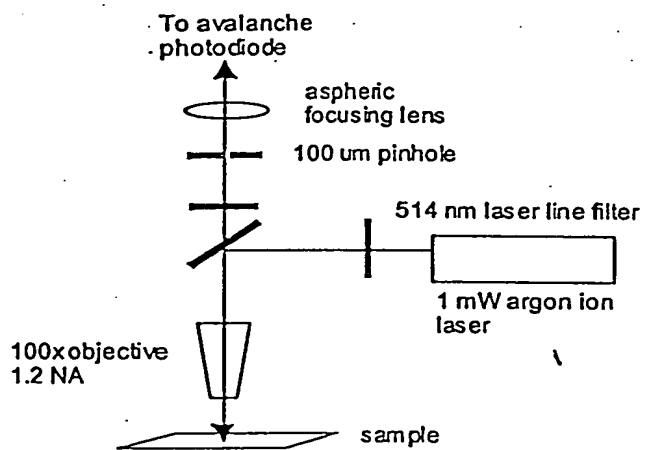


FIG. 25

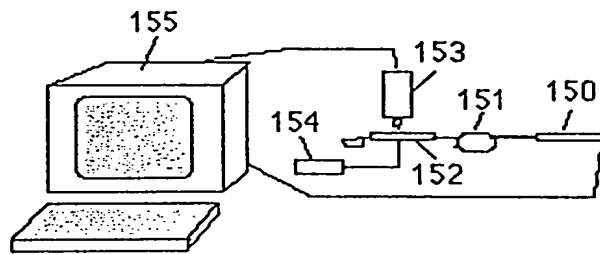


FIG. 26

FIG. 26

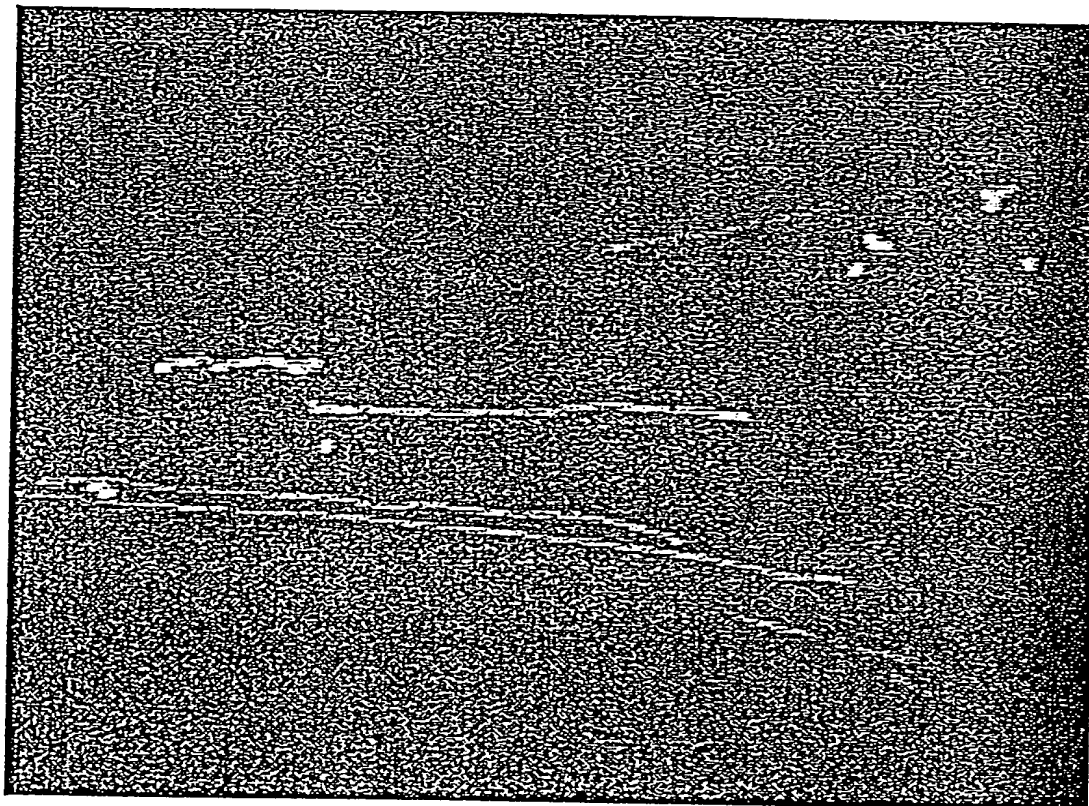


FIG. 27

09783472.021401

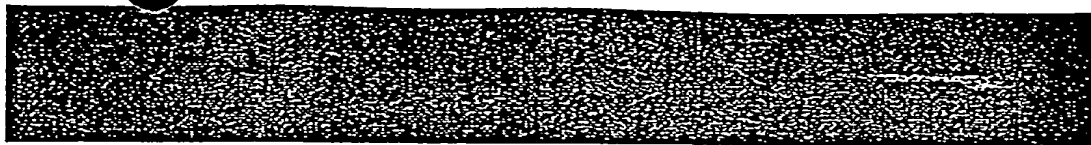


FIG. 28(a)



FIG. 28(b)



FIG. 28(c)

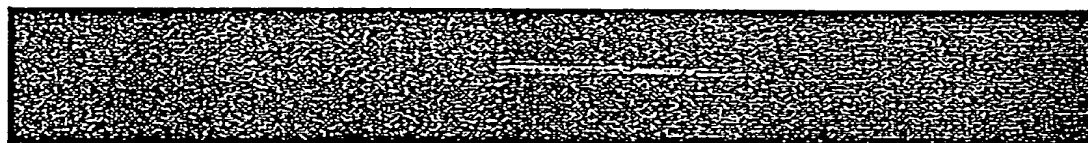


FIG. 28(d)



FIG. 28(e)



FIG. 28(f)



FIG. 28(g)

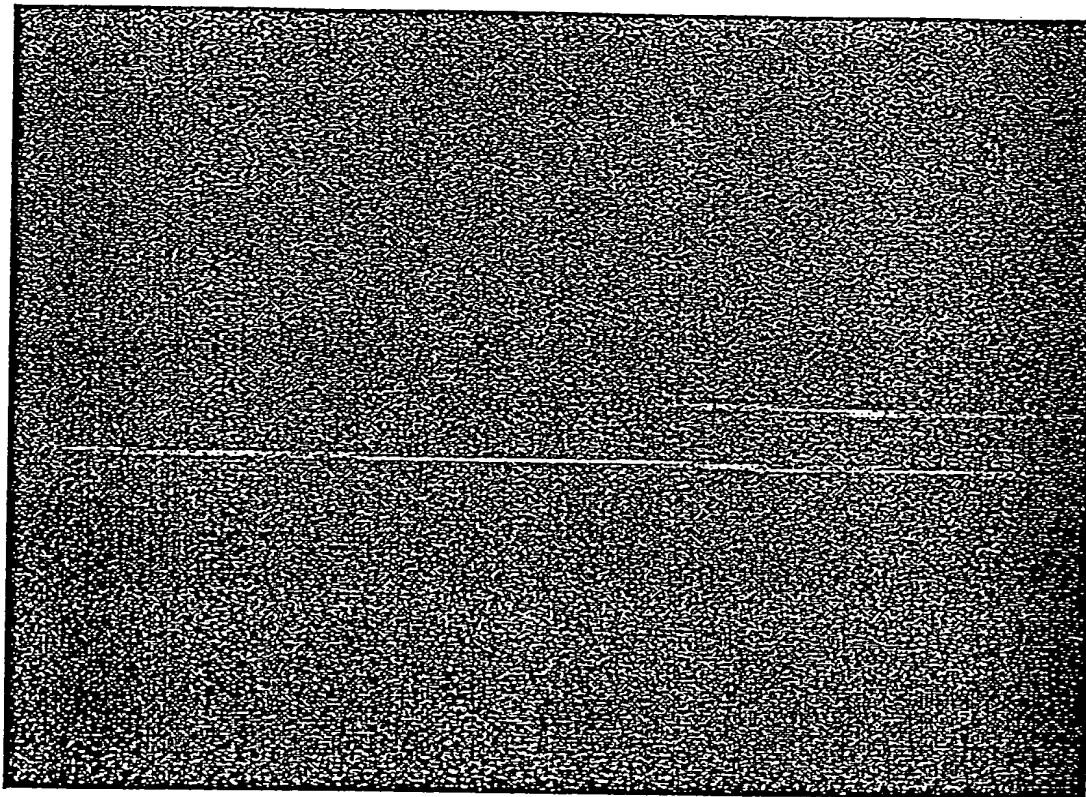


FIG. 29

09783472.021401

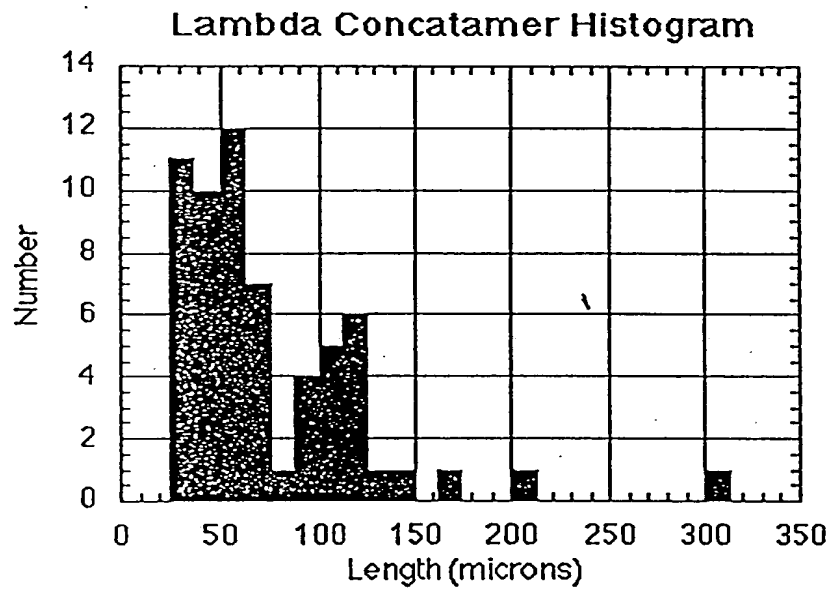


FIG. 30

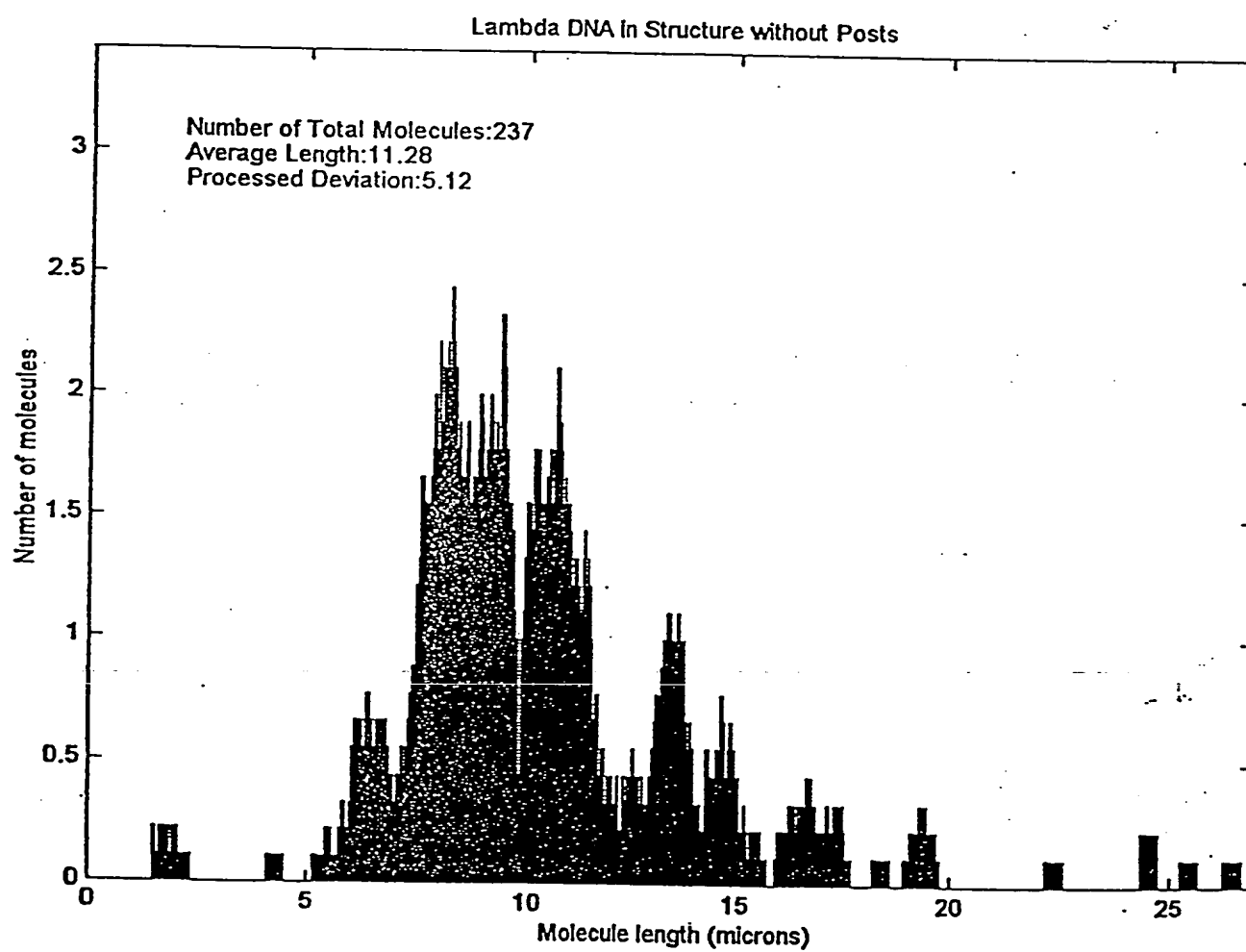


FIG. 31(a)

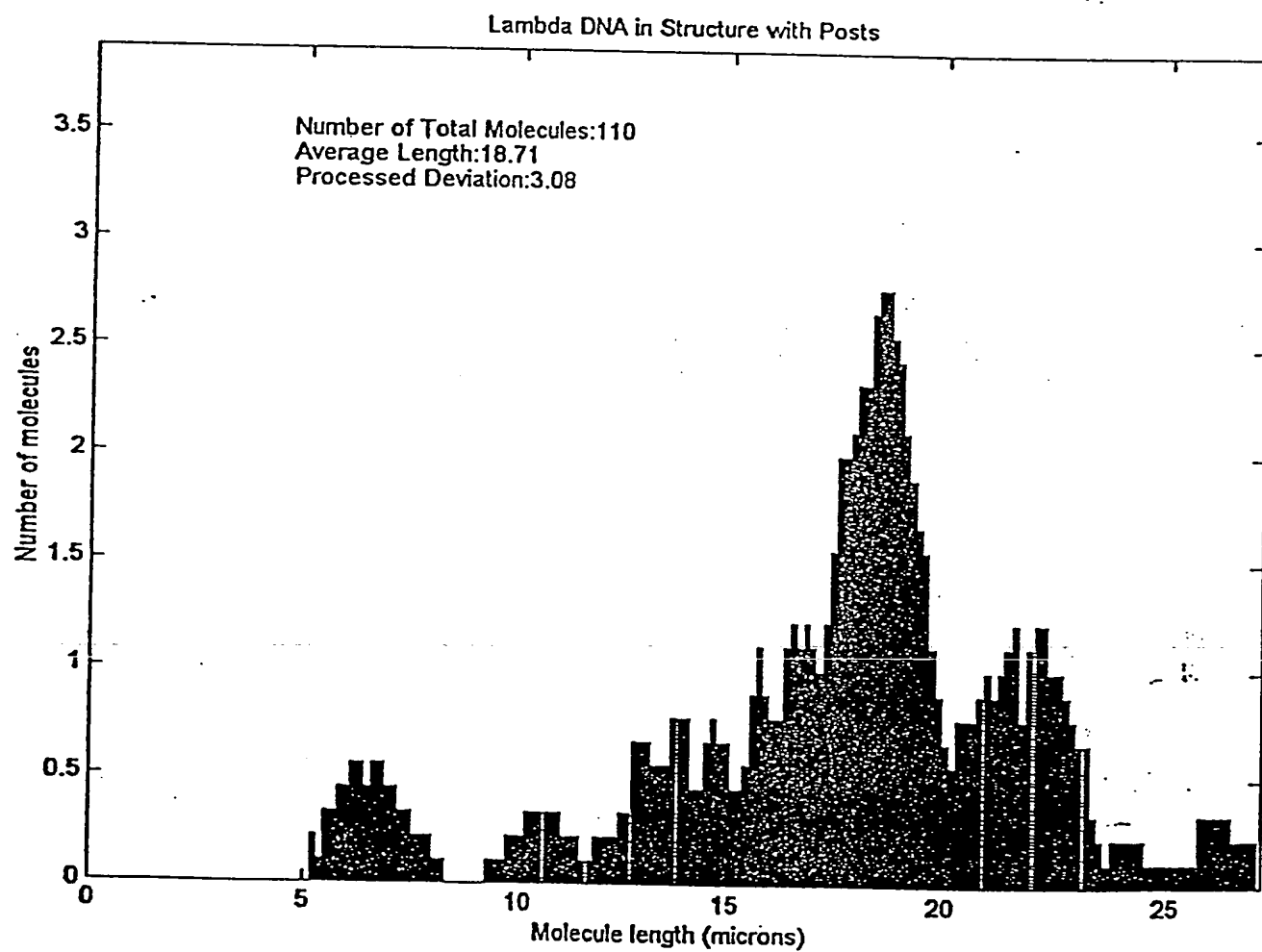


FIG. 31(b)

Optical Arrangement for Multiple Spot Formation

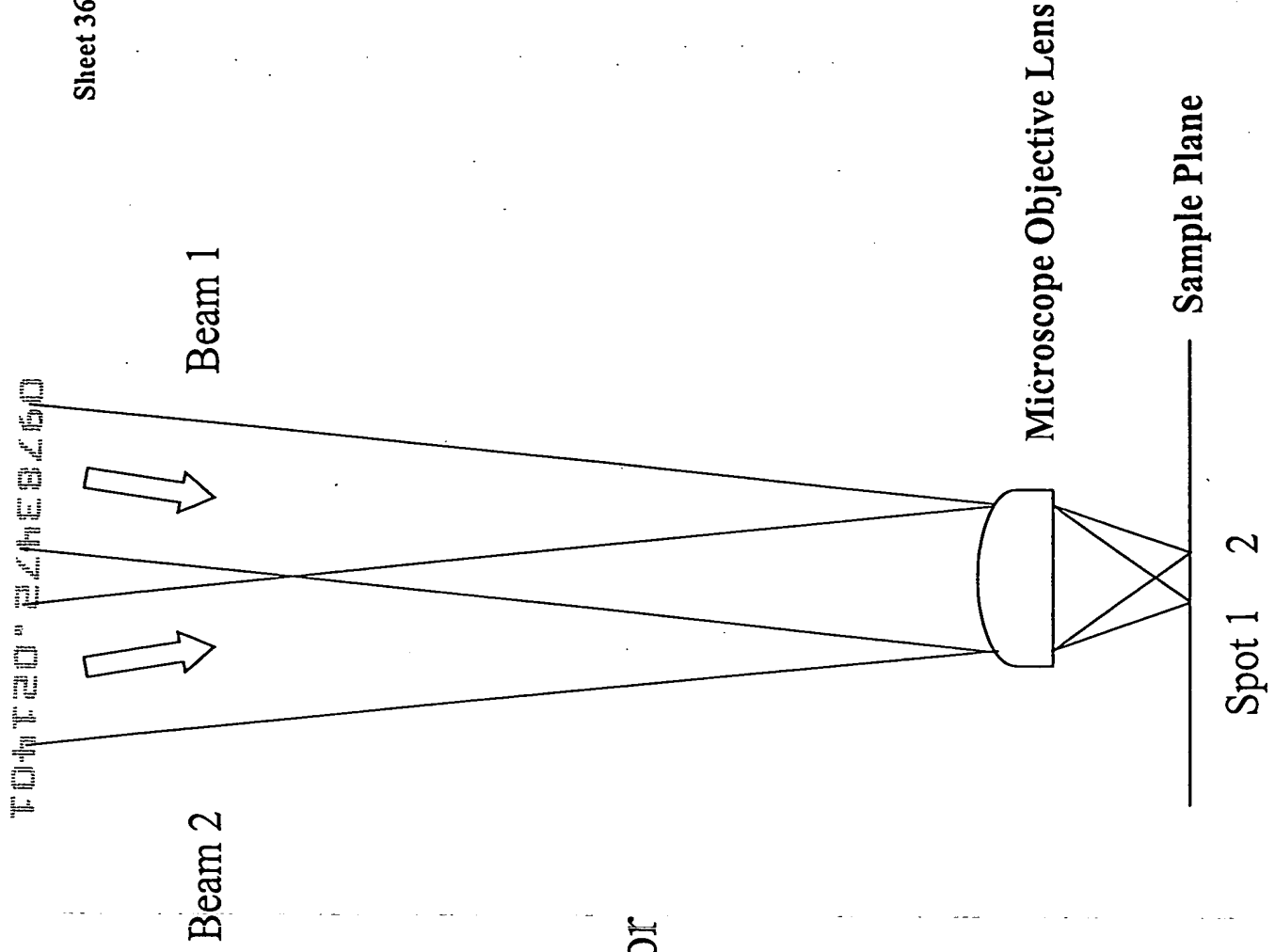
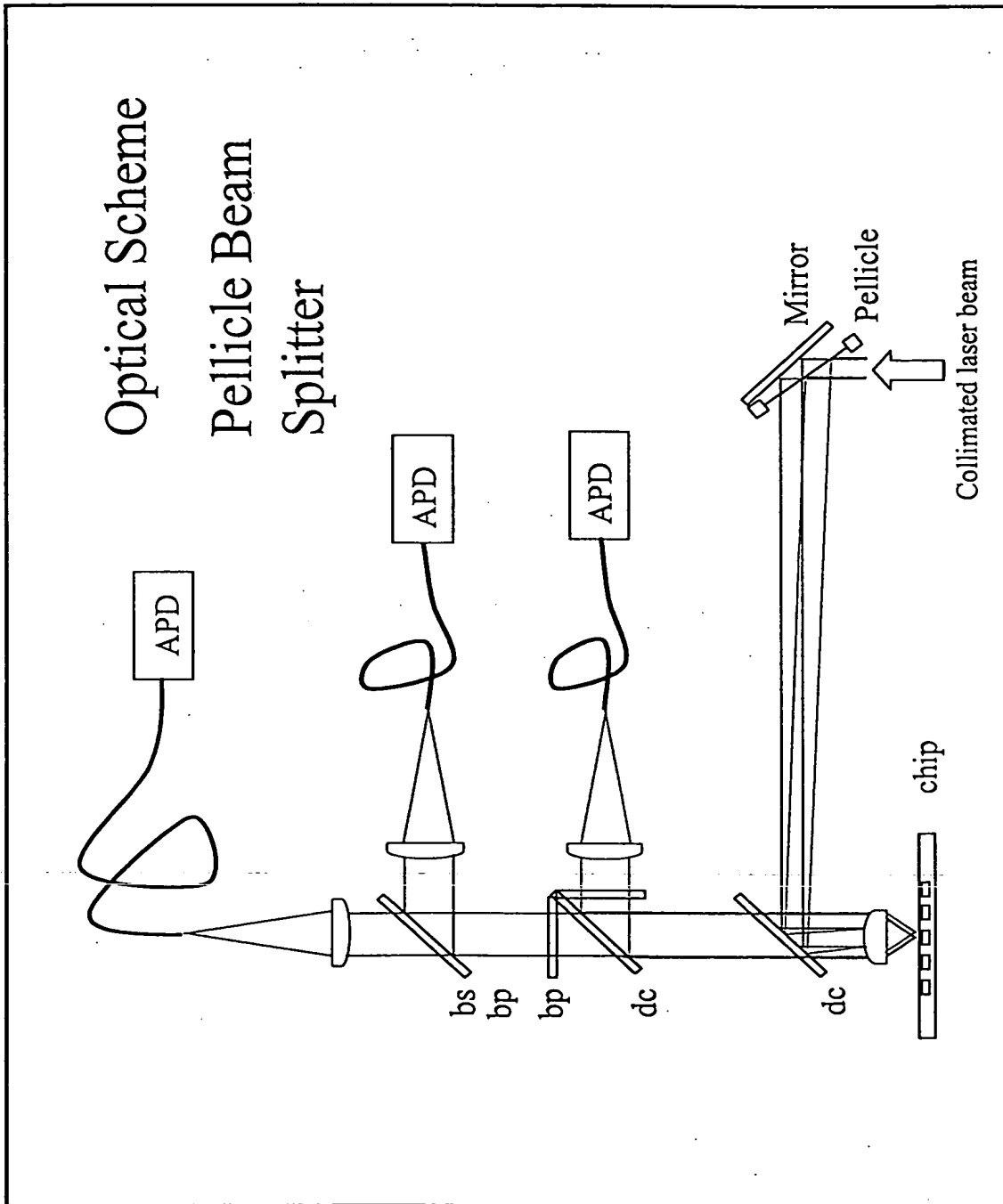


FIG. 32



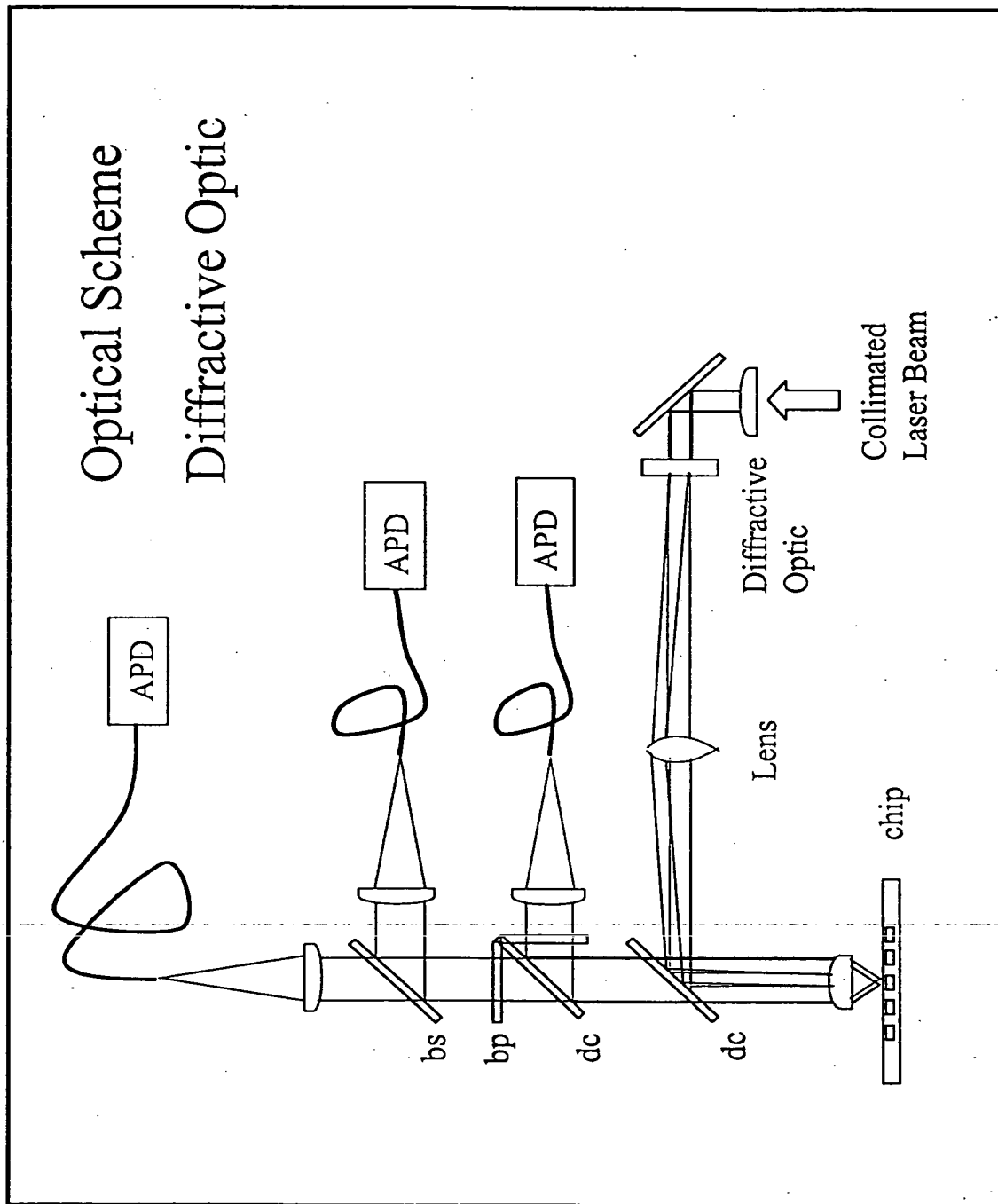
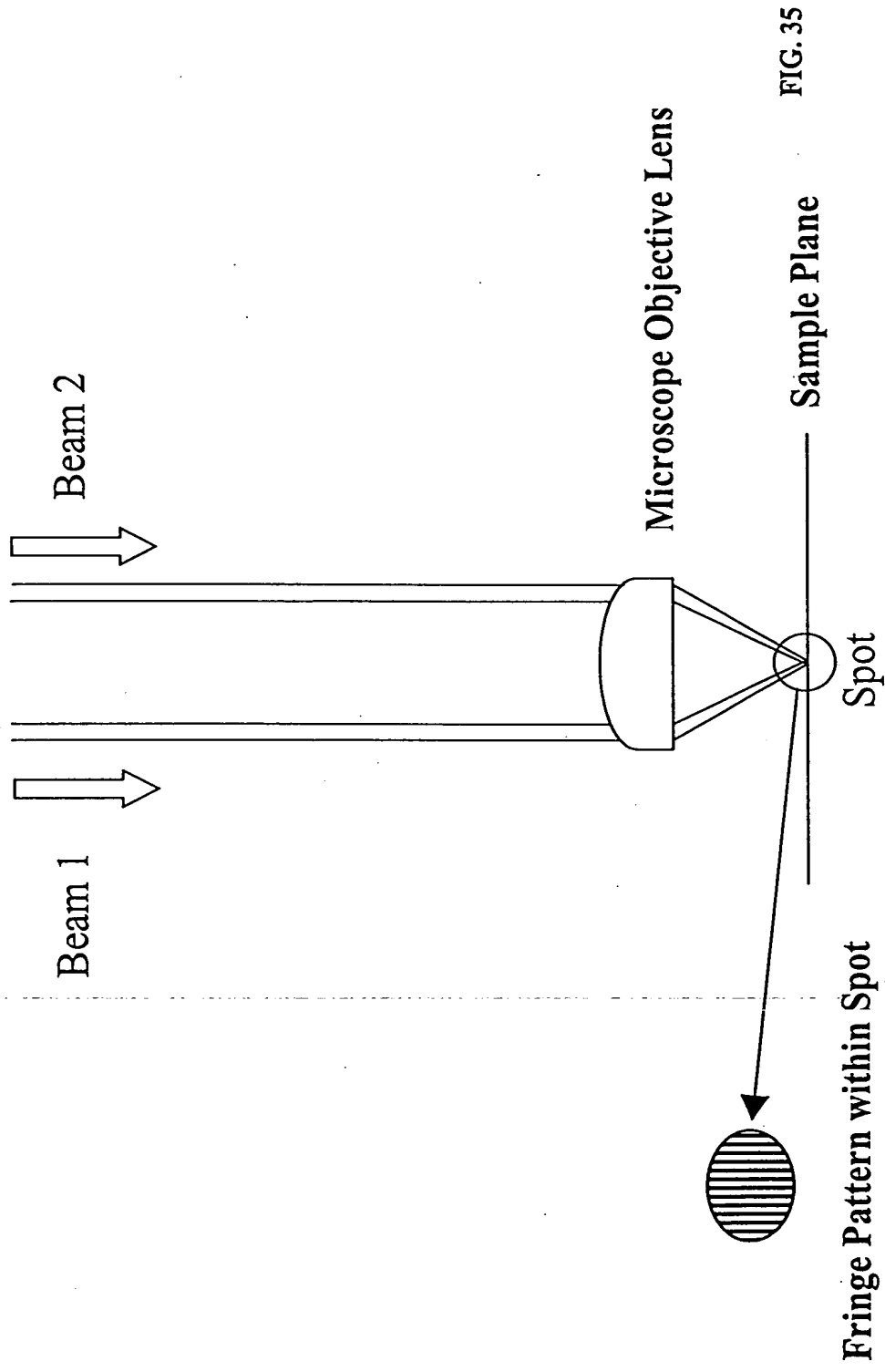


FIG. 34

Optical Arrangement for Single Spot with Interference Fringes



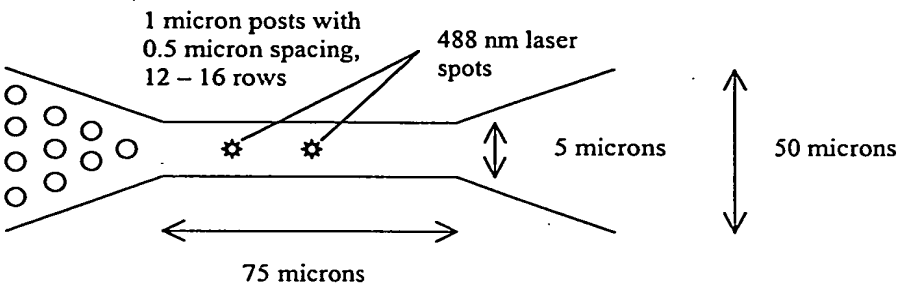


FIG. 36

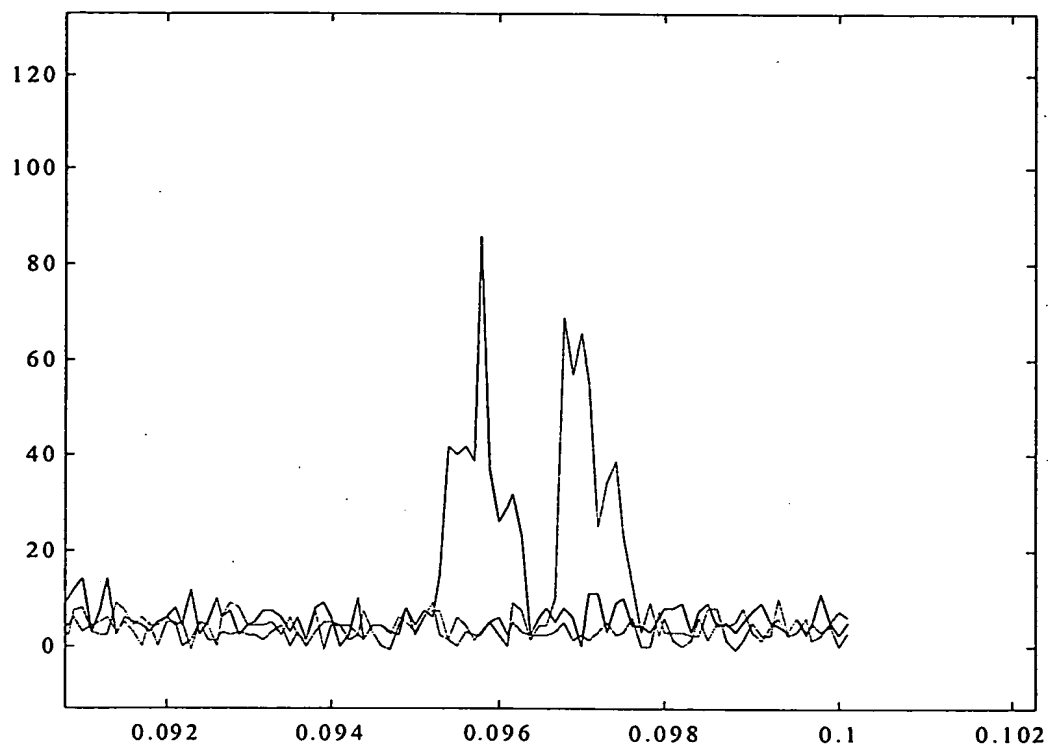


Fig. 37A

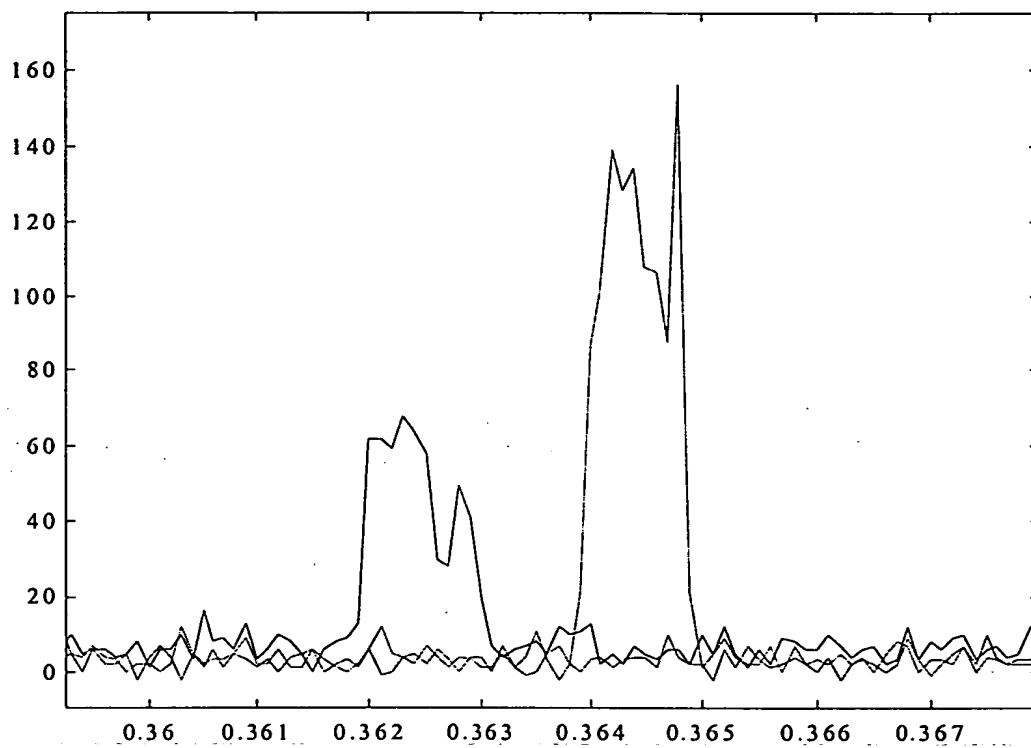


Fig. 37B

00703472.021404

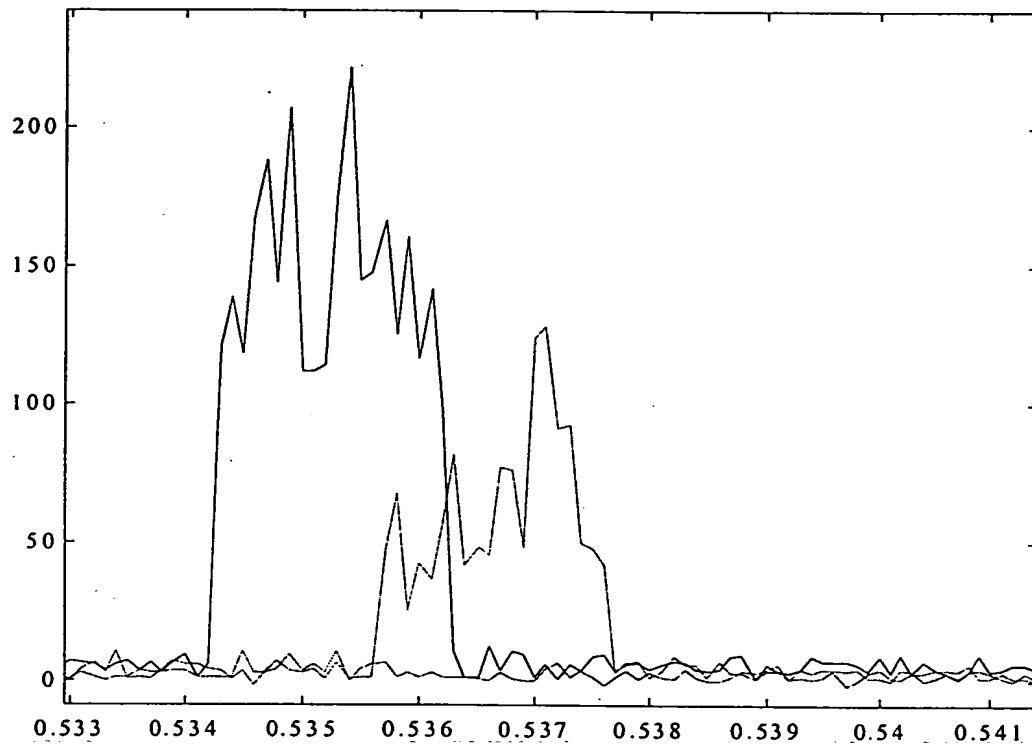


Fig. 37C

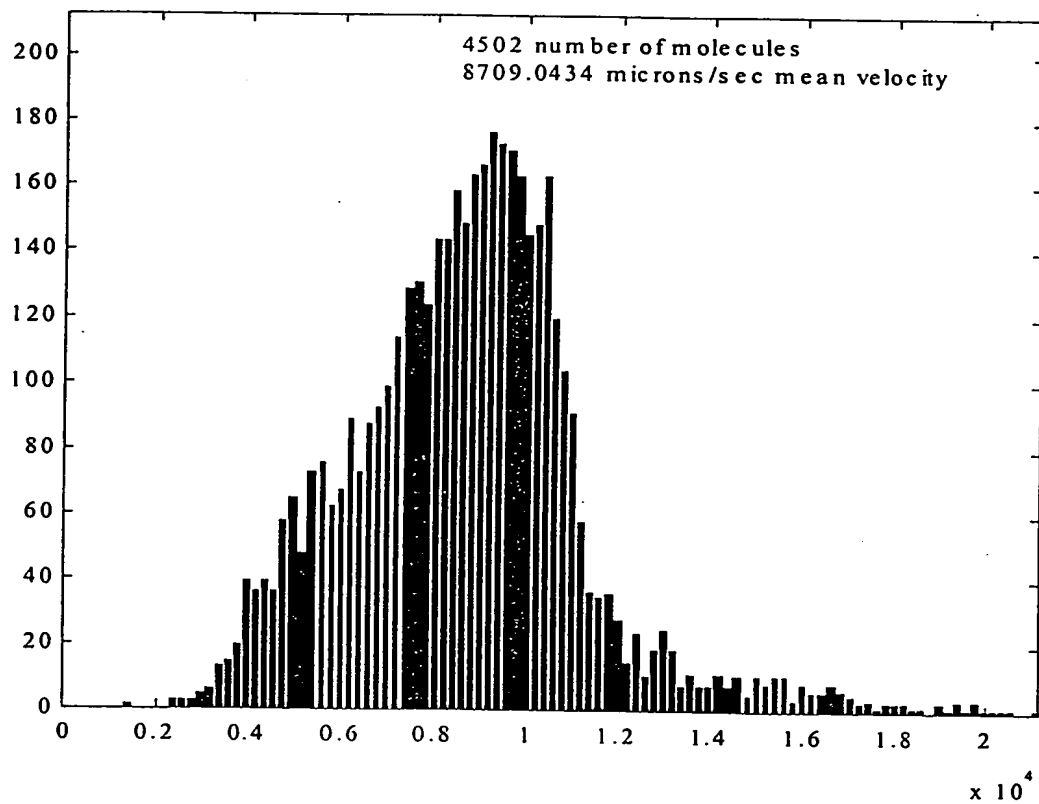


Fig. 38

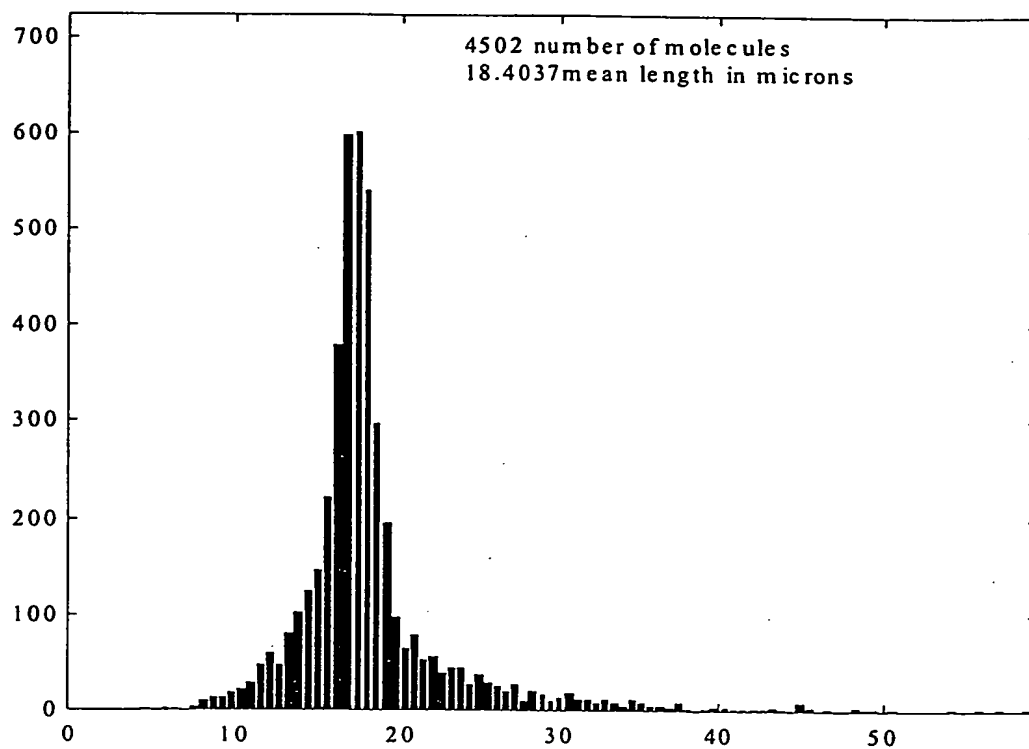


Fig. 39